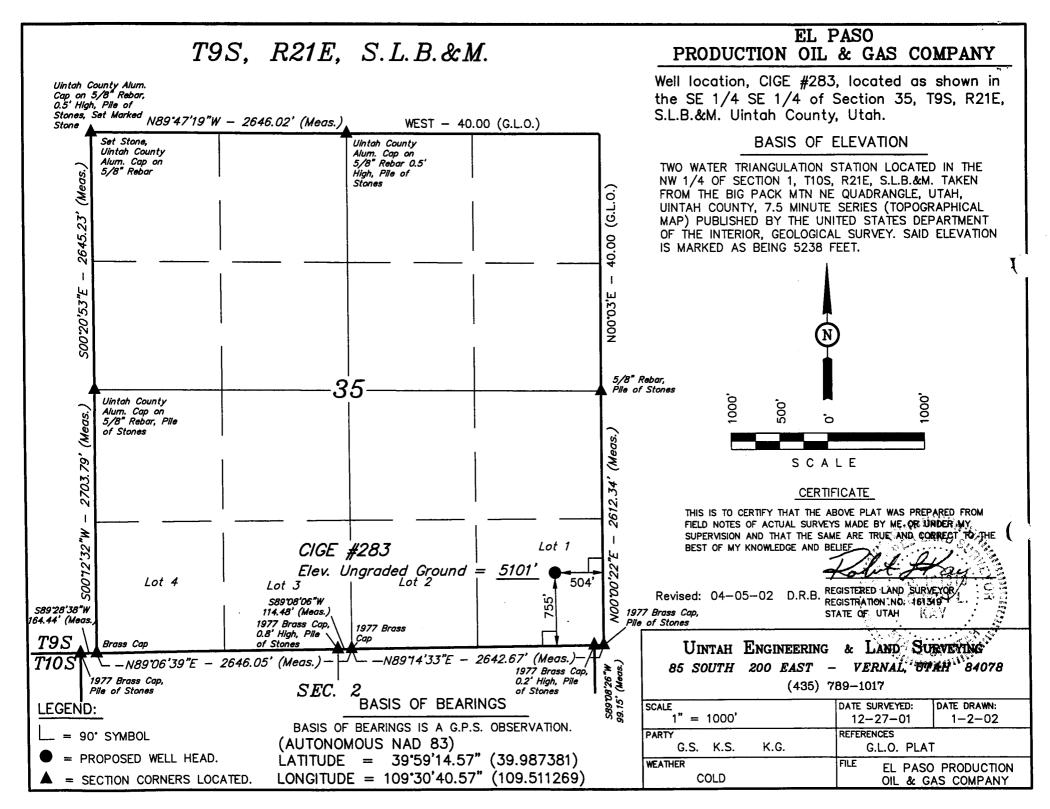
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

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AMENDED REPORT (highlight changes)

| | A | PPLICATION FOR | PE | RMIT TO | DRILL | | | 5. MINERAL LEASE NO: ML-22582 | 6. SURFACE: State |
|------------------|------------------------|---------------------------------|-------------|-----------------------|----------------------|---------------------------|---------|--|--|
| 1A. TYPE OF WO | RK: DF | RILL Z REENTER | <u> </u> | DEEPEN [| | | | 7. IF INDIAN, ALLOTTEE OR | TRIBE NAME: |
| B. TYPE OF WEL | .t: OIL 🗌 | GAS OTHER | | SING | GLE ZONE 🗹 🛚 | MULTIPLE ZONE | | 8. UNIT OF CA AGREEMENT NATURAL BUTT | |
| 2. NAME OF OPE | | & Gas Company | | | | | | 9. WELL NAME and NUMBER CIGE 283 | |
| 3. ADDRESS OF C | | _{CITY} Vernal si | rate | UT _{ZIP} 840 | | NE NUMBER: 5) 781-7023 | | 10. FIELD AND POOL, OR W Natural Buttes | ILDCAT: |
| | WELL (FOOTAGE: | S) | | | | | | 11. QTR/QTR, SECTION, TO MERIDIAN: | WNSHIP, RANGE, |
| | 755 FSL & PRODUCINGZON | | | | 9,98744 109,51052 | | | SESE 35 9S | 21E |
| 14. DISTANCE IN | MILES AND DIRE | CTION FROM NEAREST TOWN OR F | POST C | OFFICE: | | | | 12. COUNTY: | 13. STATE: |
| 20.8 Mile: | s Northeast | of Ouray, UT | | | | | | Uintah | UTAH |
| 15. DISTANCE TO | NEAREST PROP | ERTY OR LEASE LINE (FEET) | | 16. NUMBER OF | ACRES IN LEASE: | | 17. N | UMBER OF ACRES ASSIGNED | TO THIS WELL: |
| 504' | | | | | | 320.37 | | | 40 |
| APPLIED FOR |) ON THIS LEASE | (DRILLING, COMPLETED, OR (FEET) | | 19. PROPOSED | DEPTH: | 0.200 | | OND DESCRIPTION: | |
| Refer to To | 1 | R DF, RT, GR, ETC.): | | 22 APPROXIMA | TE DATE WORK WILL | 8,300 | | 00JU0705 STIMATED DURATION: | |
| 5099.3' G | • | (b) , ((), (), () | | 22. 74 11074113 | | . • | | Days | |
| 24. | | PROPO | SED | CASING AN | ND CEMENTING | G PROGRAM | | | |
| SIZE OF HOLE | CASING SIZE, | GRADE, AND WEIGHT PER FOOT | SE | TTING DEPTH | | CEMENT TYPE, QUA | WTITY, | YIELD, AND SLURRY WEIGH | Τ |
| 11 - 12 1/4 | 8 5/8 or | 9 5/8 | | 250 | Refer to 10 pt | program | | | |
| 7 7/8 | 4 1/2 or | 5 1/2 | | 8,300 | Refer to 10 pt | program | | | |
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| 25. | | | | ATTA | CHMENTS | | | | |
| VERIFY THE FOL | LOWING AREATT | ACHED IN ACCORDANCEWITH TH | E UTA | H OIL AND GAS C | ONSERVATION GENER | RAL RULES: | | | |
| ☑ WELL PL | AT OR MAP PREP | ARED BY LICENSED SURVEYOR OF | R ENG | INEER | COMPLE | TE DRILLING PLAN | | | |
| | E OF DIVISION O | F WATER RIGHTS APPROVAL FOR | USE O | F WATER | FORM 5, | IF OPERATOR IS PE | RSON | OR COMPANY OTHER THAN | HE LEASE OWNER |
| | | | | | | | | OR COMPANY OTHER THAN | EIVED |
| | Cherv | Cameron _ | | | TITLE C | Operations | | NOV | 2 2 2002 |
| NAME (PLEASE | 7) 1. | | |) | 1 | 1/19/2002 | | | |
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CIGE 283 SESE Sec. 35, T9S, R21E Uintah County, UT ML-22582

EL PASO PRODUCTION COMPANY

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| KB | 5095' |
| Wasatch | 4670' |
| Mesaverde | 7400' |
| Total Depth | 8300' |

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| Substance | <u>Formation</u> | Depth |
|----------------|------------------|-------|
| | Wasatch | 4670' |
| Gas | Mesaverde | 7400' |
| Water | N/A | |
| Other Minerals | N/A | |

3. Pressure Control Equipment (Schematic Attached)

The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11' drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.

The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.

The hydrill will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 3,000 psi.

4. Proposed Casing Program: _ See Sunday dated 1/16/03

| Purpose | <u>Depth</u> | Hole Size | Casing Size | Wt/ft | <u>Grade</u> | <u>Type</u> |
|------------|--------------|----------------|------------------|----------------------------|--------------|-------------|
| Surface | 0-250' | 11" or 12 1/4" | 8 5/8" or 9 5/8" | 24#, 32.3#, 36#, or 40# | | ST&C |
| Production | 0-TD | 7 7/8" | 4 ½" or 5 ½" | 11.6# | N-80 | LT&C |

The proposed casing and cementing program shall be conducted as approved to to protect and/or isolate all usable water zones potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation that will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics.

All casing, except conductor casing, shall be new or reconditioned and tested. Used casing shall meet or exceed API standards for new casing.

The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing. If drive pipe is used, it may be left in place if its total length is less than twenty feet below the surface. If the total length of the drive pipe is equal to or greater than twenty feet, it will be pulled prior to cementing surface casing, or it will be cemented in place.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

Maximum anticipated bottom hole pressure calculated @ 8300 TD approximately equals 3320 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1494 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot.

All casing strings below the conductor shall be pressure tested to 0.22 psi/foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

Casing design is subject to revision based on geologic conditions encountered.

Proposed Cementing Program: Gee Sender | dated 1/16/03

Surface Fill Type & Amount

0-250' 250' A minimum of 85 sx Class "G" + 2% CaCl₂, 15.6 ppg, 1.19

cf/sx (Cement will be circulated to surface, about 25%

excess)

Production Type & Amount

200' above the top-most resource Lead: Extended, Lite, or Hi-Fill cement + additives,

interval 11 or 12 ppg, 2.69 cf/sx

TD-500' above productive internal Tail: Extended Class "G" or 50:50 Poz + additives, 14

ppg, or RFC, 14.0 – 14.5 ppg, 1.57 cf/sx.

For production casing, actual cement volumes will be determined from the calculated hole volume + 60% excess, minimum. Cement volumes will include an amount sufficient to circulate to surface, if possible. Operator will continue to attempt to circulate cement to surface, but at a minimum, circulation will be 200' above the top of the Green River Formation, or as directed by the Authorized Officer (AO) or Acting, or as specified in the Conditions of Approval (COA) in the Application for Permit to Drill (APD).

For surface casing, waiting on cement time will be adequate to achieve 500 psi compressive strength at the casing shoe prior to drilling out.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The Division of Oil, Gas, and Mining (DOGM) Office shall be notified, with sufficient lead time, in order to have a DOGM representative on location while running all casing strings and cementing.

After cementing the surface pipe and/or any intermediate strings, but before commencing any test, The casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the Driller's Log.

Auxiliary Well Control Equipment to Be Used:

Kelly Cock

A sub with a full opening (TIW) valve having threads compatible with drill string tubulars.

5. <u>Drilling Fluids Program:</u>

WASATCH

Interval Type Mud Weight

0-TD Air/Air Mist/Aerated Water/Water (as hole conditions Warrant) 8.4 ppg or less Displace Hole to 10 ppg brine mud, prior to logging.

MESAVERDE

Interval Type Mud Weight

0-TD Air/Air Mist/Aerated Water/Water (as hole conditions warrant)

Depending on hole conditions, the hole will be displaced to either 10 ppg brine or drilling mud prior to logging. If hole conditions warrant, a mud system will be used.

No chromate additives will be used in the mud system prior to approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well.

6. Evaluation Program:

The Evaluation Program may change at the discretion of the well site geologist with approval by The Authorized Officer.

Cased Hole Logs Only

GR/Dipole Sonic/Neutron: TD-500' above the Wasatch Formation

(to surface at times)

Drill Stem Tests: As deemed necessary

Cores: As deemed necessary

When cement has not been circulated to surface, the cement top will be determined by Either a temperature survey or cement bond log. Should a temperature survey fail to Locate the cement top, a cement bond log shall be run.

Open Hole Logs

PEX: From TD - Surface

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth.

8. Variances:

Operator requests approval to perform drilling operations without an automatic igniter because drilling will be performed with an air/mist medium.

9. Other Information:

All loading lines will be placed inside the berm surrounding the tank battery.

10. Anticipated Starting Dates & Notification of Operations:

Anticipated commencement date shall be upon approval of the proposed APD.

Drilling Days:

Approximately 10 days

Completion Days:

Approximately 7 days

CIGE 283 SESE Sec. 35, T9S, R21E Uintah County, UT ML-22582

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to the attached directions to the proposed location site.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, *unless modified at the on-site inspection*. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius

Please refer to Topo Map C.

4. <u>Location of Existing & Proposed Facilities</u>

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon (2.5Y 6/2).

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo Map D for the proposed pipeline placement.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. The need for a reserve pit liner will be determined at the on-site inspection.

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S,R19E.

8. Ancillary Facilities

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). This section is subject to modification as a result of the on-site inspection.

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile (s), and surface material stockpile(s).

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of

irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

State of Utah SITLA 675 East 500 South Salt Lake City, UT 84102-2818

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been conducted. A copy of this report is attached.

This proposed location is not within 460 feet from the boundary of the Natural Buttes Unit, nor is it within 460 feet of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Cheryl Cameron Regulatory Analyst El Paso Production Company P.O. Box 1148 Vernal, UT 84078 (435) 781-7023 Scott Palmer
Drilling Manager
El Paso Production Company
9 Greenway Plaza
Houston, TX 77046
(832) 676-3391

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

El Paso Production Company is considered to be the operator of the subject well. El Paso Production Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by El Paso Production Company, State Bond No. 400JU0705.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Cheryl Cameron 11/18/02
Date

3: 33 43525956

CULTURAL RESOURCE INVENTORY OF EL PASO PRODUCTION'S SEVEN WELL LOCATIONS IN NATURAL BUTTES, UINTAH COUNTY, UTAH

> Keith R. Montgomery and Sarah Bail

> > Prepared For:

Bureau of Land Management (Vernai Field Office)

Prepared Under Contract With:

El Paso Production Oil and Gas Company 1368 South 1200 East Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants P.O. Box 147 Moab, Utah 84532

MOAC Report No. 02-46

April 2, 2002

United States Department of Interior (FLPMA)
Permit No. 01-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-02-MQ-0121b

RECEIVED

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DIVISION OF OIL, GAS AND MINING

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in March 2002 for El Paso Production Oil and Gas Company's seven proposed well locations. The proposed well locations with access and pipeline corridors are situated in the Natural Buttes area, southeast of Ouray, Utah (Figures 1, 2, and 3). The survey was implemented at the request of Mr. Carroll Estes, El Paso Production Oil and Gas Company, Vernal, Utah. The project is situated on land administered by the Bureau of Land Management (BLM), Vernal Field Office.

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on March 28 and 29, 2002 by Keith R. Montgomery, (Principal Investigator), and Jacki Montgomery. The project was initiated under the auspices of U.S.D.I. (FLPMA) Permit No. 01-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-02-MQ-0121b Issued to MOAC.

A file search was performed by Keith Montgomery at the BLM Vernal Field Office on March 28, 2002. This consultation indicated that several archaeological inventories have been completed in or near the project area. In 1979, Archaeological-Environmental Research Corporation (AERC) conducted a survey of sample areas within the Natural Buttes oil and gas field for the BLM (Hauck et.al. 1979). The survey resulted in the discovery of 20 sites, 18 of which were prehistoric, and 10 isolated finds of artifacts. None of the sites found by AERC are located immediately within the project area. In 1981, BYU completed an inventory for the TOSCO Corporation shale oil recovery plant and facilities, revisiting one site (42Un960), and finding 21 new archaeological sites (42Un1038 to 42Un1059) (Nielson 1981). None of the sites documented are in the project area. In 1991, Metcalf Archaeological Consultants (MAC) inventoried eighteen Natural Butte well locations for Coastal Oil and Gas, resulting in one new archaeological site (42Un1831), and one revisit (42Un1042), neither of which is located within the immediate project area (O'Brian et. al. 1991). None of the cultural resources inventoried occur near or within the current project areas. In 1991, Metcalf Archaeological Consultants conducted inventories for Coastal Oil and Gas, finding two isolated finds of artifacts (Scott 1991a) and documenting five archaeological sites (Scott 1991b). Two of these sites occur within the immediate project area and are eligible for inclusion in the NRHP. These are 42Un1819, a lithic scatter, and 42Un1820, a rock shelter. Grand River Institute completed a survey of seven well locations and two pipelines for Enron Oil and Gas in 1991, documenting a lithic scatter (42Un1953), evaluated as not eligible to the NRHP (Conner 1991). The site occurs within

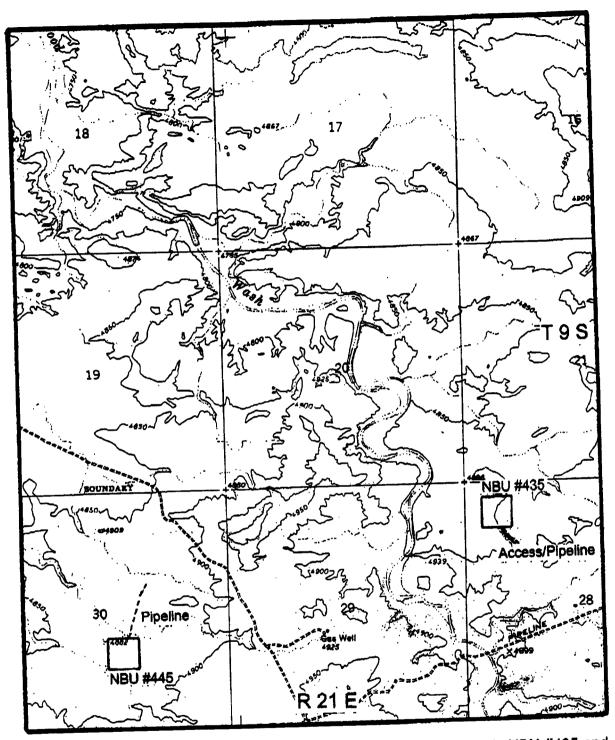


Figure 1. Inventory Area of El Paso Production Oil and Gas Company's NBU #435 and NBU #445 Well Locations. USGS 7.5' Ouray SE, Utah 1964. Scale 1:24000.

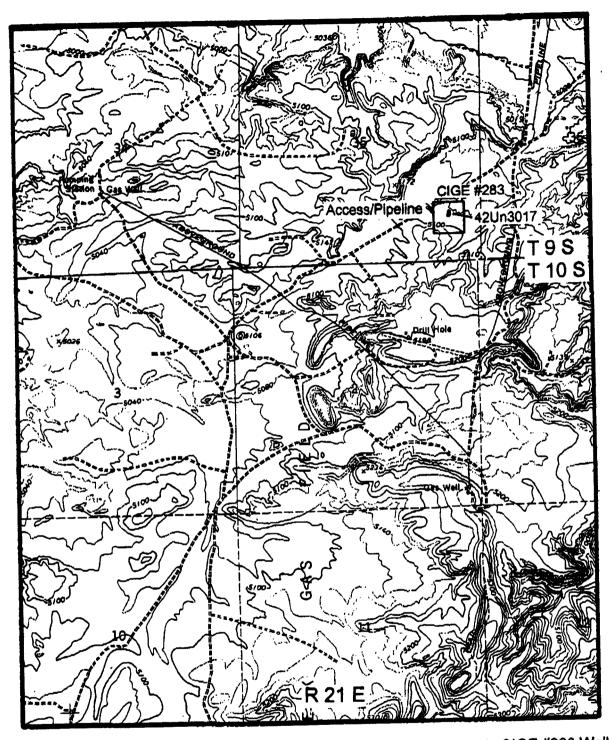


Figure 2. Inventory Area of El Paso Production Oil and Gas Company's CIGE #283 Well Location with Cultural Resources. USGS 7.5' Big Pack Mtn. NE, Utah 1968. Scale 1:24000.

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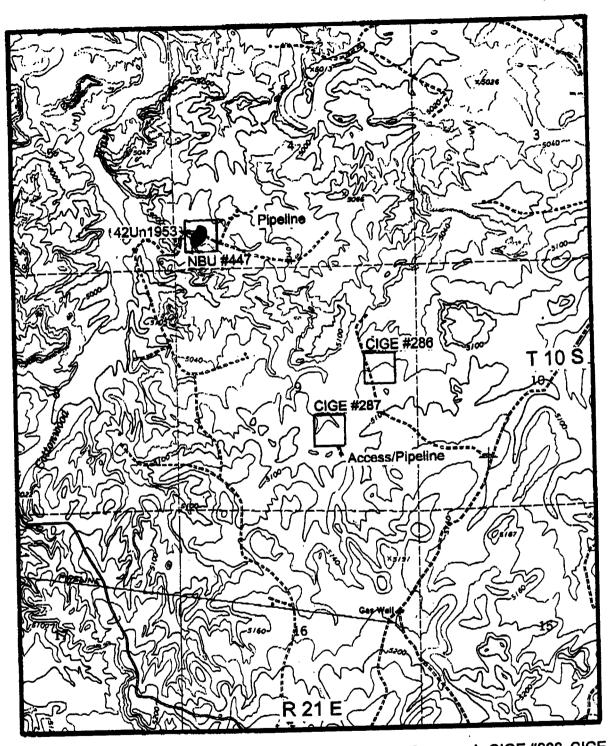


Figure 3. Inventory Area of El Paso Production Oil and Gas Company's CIGE #286, CIGE #287 and NBU #447 Well Locations with Cultural Resources. USGS 7.5' Big Pack Mtn. NE, Utah 1968. Scale 1:24000.

Figure 4. Inventory Area of El Paso Production Oil and Gas Company's NBU #434 Well Location with Cultural Resources. USGS 7.5' Big Pack Mtn. NE, Utah 1968. Scale 1:24000.

Environment

The study area lies within the Uinta Basin physiographic unit, a distinctly bowlshaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. The geology is comprised of Tertiary age deposits which include Paleocene age deposits, and Eccene age fluvial and lacustrine sedimentary rocks. The Uinta Formation, which is predominate in the project area, occurs as eroded outcrops formed by fluvial deposited, stream laid interbedded sandstone and mudstone, and is known for its prolific paleontological localities. Specifically, the project area occurs on the east and west sides of Cottonwood Wash on the valley floors which are interspersed by flat topped buttes and narrow steep-sided ridges. The area is heavily dissected and carved by ephemeral drainages. The surface geology consists of hard pan residual soil armored with shale and sandstone pebbles as well as some sand shadows. The elevation ranges between 4870 The project occurs within the Upper Sonoran Desert Shrub and 5140 feet a.s.l. Association which includes shadscale, greasewood, mat saltbrush, snakeweed, rabbitbrush, prickly pear cactus, Indian ricegrass and non-native plants and grasses. Modern disturbances include roads and oil/gas development.

Cultural History

The cultural-chronological sequence represented in the study area includes the Paleoindian, Archaic, Fremont, Protohistoric, and Euro-American stages. The earliest inhabitants of the region are representative of the Paleoindian stage (ca. 12,000-8,000 B.P.). This stage is characterized by the adaptation to terminal Pleistocene environments and by the exploitation of big game fauna. The presence of Paleoindian hunters in the Uinta Basin region is inferred by the discovery of Clovis and Folsom fluted points (ca. 12,000 B.P. - 10,000 B.P.), as well as the more recent Plano Complex lanceolate projectile points (ca. 10,000 B.P. - 7,000 B.P.). However, no such artifacts have been recovered in stratigraphic or chronometrically controlled contexts in northeastern Utah.

The Archaic stage (ca. 8,000 B.P. - 1,500 B.P.) is characterized by peoples depending on a foraging subsistence strategy, seasonally exploiting a wide spectrum of plant and animal species in different ecozones. The shift to an Archaic lifeway was marked by the appearance of new projectile point types perhaps reflecting the development of the atlatt in response to a need to pursue smaller and faster game (Holmer 1986). In the Uinta Basin, evidence of widespread Early Archaic exploitation is relatively sparse compared to the subsequent Middle and Late Archaic periods. Early Archaic (ca. 6000 to 4000 B.C) sites in the basin include sand dune sites and rockshelters clustered mainly in the lower White River drainage as well as along the Green River in the Browns Park and Flaming Gorge area (Spangler 1995:373). Projectile points recovered from Uinta Basin contexts include Pinto Series, Humboldt, Elko Series, Northern Side-notched, Hawken Sidenotched, Sudden Side-notched and Rocker Base Side-notched points. Excavated sites in the area with Early Archaic components include Deluge Shelter in Dinosaur National

Monument (Leach 1970), and open campsites along the Green River and on the Diamond Mountain plateau (Spangler 1995:374). The Middle Archaic period (ca. 4000 to 1000 B.C.) is characterized by improved climatic conditions and increased human populations on the northern Colorado Plateau. Several stratified Middle Archaic sites have been excavated and dozens of sites have been documented in the Uinta Basin. Middle Archaic sites in the area reflect cultural influences from the Plains, although a Great Basin and/or northern Colorado Plateau influence is represented in the continuation of the Elko Series projectile Subsistence data from Middle Archaic components indicate gathering and processing of plants as well as faunal exploitation (e.g., mule deer, antelope, bighorn sheep, cottontail rabbit, muskrat, prairie dog, beaver and birds). The Late and Terminal Archaic periods (ca. 1000 B.C. to A.D. 550) in the Uinta Basin are distinguished by the continuation of Elko Series atlati points with the addition of semi-subterranean residential structures at base camps. By about A.D. 100, maize horticulture and Rose Springs arrow points had been added to the Archaic lifeway. In the Uinta Basin, the earliest evidence of Late Archaic architecture occurs at the Cockleburr Wash Site (42Un1476), where a temporary structure, probably a brush shelter, yielded a date of 316 B.C. The structure was probably associated with seasonal procurement of wild floral resources gathered along Cliff Creek (Tucker 1986).

The Formative stage (A.D. 500-1300) is recognized in the area as the Uinta Fremont as first termed by Marwitt (1970). This stage is characterized by reliance upon domesticated corn and squash, increasing sedentism, and in its later periods, substantial habitation structures, pottery, and bow and arrow weapon technology. Based on the evidence from Caldwell Village, Boundary Village, Deluge Shelter, Mantles Cave and others, the temporal range of the Uinta Fremont appears to be from A.D. 650 to 950. This variant is characterized by shallow, saucer-shaped pithouse surface structures with randomly placed postholes and off-center firepits, some of which were adobe-rimmed. Traits considered unique or predominate to the Uinta Basin include calcite-tempered pottery, two-handled wide-mouth vessels, Uinta type metates, the use of gilsonite for pottery repair, settlement on tops of buttes and large-shouldered bifaces (Shields 1970).

Archaeological evidence suggests that Numic peoples appeared in east-central Utah at approximately A.D. 1100 or shortly before the disappearance of Formative-stage peoples (Reed 1994). The archaeological remains of Numic-speaking Utes consist primarily of lithic scatters with low quantities of brown ware ceramics, rock art, and occasional wickiups. The brown ware ceramics appear to be the most reliable indicator of cultural affiliation, as Desert Side-notched and Cottonwood Triangular points were manufactured by other cultural groups beside the Ute (Horn, Reed, and Chandler 1994:130). The Ute appear to have been hunter and gatherers exploiting various faunal and floral resources.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At each of the proposed well locations, a ten acre area centered on the center stake of the location was surveyed by the archaeologists walking parallel transects spaced no more than 30 feet apart. The access and pipeline corridors were 100 feet wide, surveyed by waiking parallel transects along the staked centerline, spaced no more than 10 m (30 ft) apart. A wider corridor (150 foot) was inspected when access/pipeline routes shared a corridor. Ground visibility was considered to be good. A total of 78.2 acres was inventoried, all of which occurs on BLM (Vernal Field Office) administered land.

Cultural resources were recorded either as archaeological sites or isolated finds of artifacts. An archaeological site was defined as a spatially definable area with features and/or ten or more artifacts. Sites were documented by archaeologists walking transects, spaced no more than 3 meters apart, and marking the locations of cultural materials with This procedure allowed clear definition of site boundaries and artifact concentrations. At the completion of the surface inspection, a transit was employed to point-provenance diagnostic artifacts and other relevant features in reference to the site datum. Archaeological sites were plotted on a 7.5' USGS quadrangle and photographed; site data were entered on an Intermountain Antiquities Computer System (IMACS, 1990 version) inventory form. Permanent datums were placed at the sites consisting of a rebar and aluminum cap stamped with the site number. An isolated find was defined as an individual artifact, or light scatter of items, lacking sufficient material culture to warrant an IMACS form, or to derive interpretation of human behavior in a cultural and temporal context. All isolated artifacts were plotted on a 7.5' USGS map and are described in this report.

INVENTORY RESULTS

The inventory of the seven proposed El Paso Production Oil and Gas Company well locations resulted in the location of one new archaeological site (42Un3017), and relocation of three previously documented sites (42Un1819, 42Un1820, and 42Un1953).

Archaeological Sites

Smithsonian Site No.:

42Un1819

Temporary Site No.:

N/A

Land Status:

BLM

NRHP Eligibility:

Eliaible

Description: This is an open lithic scatter of unknown cultural affiliation, with few artifacts. The site was originally documented by Metcalf Archaeological Consultants in 1990. Artifacts consist of two quartzite and two chert secondary flakes, a possible mano, and a biface. Two concentrations of firecracked rocks are present (Features 1 and 2). Feature 1 is located near an overhanging rock, and includes approximately 16 to 20 pieces of oxidized and firecracked sandstone rock scattered throughout a 5 meter diameter area. Feature 2 is deflated and is beginning to erode downslope. The feature consists of 25 to 30 pieces of oxidized and firecracked sandstone. No ash or charcoal is visible with either of the features.

Smithsonian Site No.:

42Un1820

Temporary Site No.:

N/A

Land Status:

BLM

NRHP Eliaibility:

Eligible

Description: The site is a rock shelter of unknown cultural affiliation located on aeolian dunes among a large sandstone outcrop. The site was originally documented by Metcalf Archaeological Consultants in 1990. Artifacts include lithic debitage (n=15), a biface fragment, two manos, a metate, and a sandstone slab with grinding striations. Features include two hearths and a possible rock alignment. The rock alignment consists of piled stones in a roughly semi-circular arrangement along the south side of the rock shelter, beneath an overhang. Oxidization is present underneath the overhang, along the sides of the shelter, which measures 4 meters across, 3 meters deep, and between 80 and 120 cm high. The hearth features consist of concentrations of oxidized and firecracked rock scattered both within and in front of the rock shelter.

Smithsonian Site No.:

42Un1953

Temporary Site No.:

N/A

Land Status:

BLM

NRHP Eligibility:

Not Eligible

Description: The site is a large open lithic scatter of unknown cultural affiliation, located in aeolian dunes. The site was originally recorded in 1991 by Grand River Institute. It consists of a dispersed scatter of lithic debitage (n=14) and tools, within a 160 meter by 50 meter area. Tools include a biface, two scrapers, a utilized flake, and a core. No cultural features are visible.

Smithsonian Site No.:

42Un3017

Temporary Site No.:

02-46-1

Land Status:

BLM

NRHP Eligibility:

Eligible

Description: The site is a temporary camp of unknown cultural affiliation located among aeolian dunes at the base of a ridge. The site includes two concentrations of firecracked rocks (Features 1 and 2). No artifacts are visible. Feature 1 is a cluster of fire-altered angular sandstone rocks located in a slight blow-out near the edge of an aeolian dune. The feature occurs on an approximately 3 degree slope, and includes about 25 fist-sized and smaller rocks, and two smaller slabs (18x8x4cm and 10x5x4cm). A few of the stones are partially buried, and no charcoal or ash is observed on the surface. Feature 2 is a cluster of six fist-sized sandstone rocks interspersed with roughly 12 smaller rocks. The stones appear to be oxidized, and are located in a deflated area of the dune. No deposits of ash or charcoal are visible on the surface.

NATIONAL REGISTER OF HISTORIC PLACES EVALUATION

The National Register Criteria for Evaluation of Significance and procedures for nominating cultural resources to the National Register of Historic Places (NRHP) are outlined in 36 CFR 60.4 as follows:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, material, workmanship, feeling, and association, and that they:

- a)...are associated with events that have made a significant contribution to the broad patterns of our history; or
- b)...are associated with the lives of persons significant to our past; or
- c)...embody the distinctive characteristics of a type, period, or method of construction; or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- d)...have yielded or may be likely to yield information important in prehistory or history.

The inventory of the seven proposed EI Paso Oil & Gas well locations resulted in a finding of one new archaeological site (42Un3017), and two previously documented sites (42Un1819 and 42Un1820) evaluated as eligible to the NRHP. The sites include an open lithic scatter (42Un1819), a rock shelter (42Un1820), and a temporary camp (42Un3017); all of unknown cultural affiliation. The newly found site (42Un3017) consists of two deflated burned rock features located in an aeolian dune. This site appears to be prehistoric based on similar features in the area with associated artifacts. The site is recommended as eligible to the NRHP under criterion D because it is likely to yield information pertaining to site function, feature morphology, and temporal affiliation. Subsurface investigations could provide cultural material and additional features.

MANAGEMENT RECOMMENDATIONS

The inventory of El Paso Oil & Gas Productions seven well locations in Natural Buttes resulted in the location of one new archaeological site (42Un3017), and relocation of three previously documented sites (42Un1819, 42Un1820, and 42Un1953). Sites 42Un1819 and 42Un1820 occur within the 10 acre parcel surveyed for proposed well location NBU #434, but will not be impacted by construction of the well location. Site 42Un1953 is situated within the 10 acre parcel for proposed well location NBU #447, and occurs on aeolian deposits. It is recommended that the site be monitored by an archaeologist during construction. Site 42Un3017 is an eligible site located on aeolian dunes within the 10 acre parcel surveyed for proposed well location CIGE #283. It is recommended that the well location CIGE #283 be moved to avoid the site.

Based on the findings and adherence to the recommendations, a determination of "no historic properties affected" is recommended for this undertaking pursuant to Section 106, CFR 800.

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the current project area. In 1995, AERC surveyed the Glen Bench Road, documenting an ineligible lithic scatter (42Un1792) that occurs outside of the immediate project vicinity (Hauck and Hadden 1995). In 2001, MOAC conducted an inventory of 11 well locations for El Paso Oil & Gas, finding no archaeological resources (Montgomery 2001a). Also in 1991, MOAC surveyed eight well locations for El Paso Oil & Gas, finding a prehistoric temporary camp (42Un2960), in a section adjoining the current project area (Montgomery 2001b). MOAC completed an inventory near the current project area for El Paso Oil & Gas in 2001, locating no cultural resources (Montgomery 2002).

In summary, several inventories have been completed in and near the current project area, resulting in the documentation of numerous archaeological sites. The only sites that are situated within the immediate project area are: 42Un1819, an eligible lithic scatter, 42Un1820, an eligible rock shelter, and 42Un1953, an ineligible lithic scatter.

DESCRIPTION OF PROJECT AREA

The seven proposed El Paso Production well locations, access and pipeline corridors are situated in the Natural Buttes Field, southeast of Ouray, Utah (Table 1). The legal description is T 9S, R 21E, Sections 28, 30, and 35 and T 10S, R 21E, Sections 4, 9, and 14 (USGS 7.5' Ouray SE Quadrangle; USGS 7.5' Big Pack Mtn. NE Quadrangle).

Table 1. El Paso Production's Natural Butte Seven Well Locations

| able 1. El Pa | so Production's Natu | lai butte octor | | Coultrand |
|---------------------------------|------------------------|------------------------|----------------------------|-----------------------|
| Weli Location Designation | Legal Location | Location at Surface | Access/Pipeline | Cultural Resources |
| NBU #434 | T 10S, R 21E, S. 14 | 1942' FNL 686' FEL | Access/Pipeline in 10 acre | 42Un1819 42Un1820 |
| NBU #435 | T 9S, R 21E, S. 28 | 660' FNL 845' FWL | Access/Pipeline 550' | None |
| NBU #445 | T 9S, R 21E, S. 30 | 1670' FSL 2370' FEL | Pipeline 1250' | None |
| NBU #447 | T 10S, R 21E, S. 4 | 724' FNL 603' FWL | Pipeline 950' | 42Un1953 |
| CIGE #283 | T 9S, R 21E, S. 35 | 922' FSL 714' FEL | Access/Pipeline 150' | 42Un3017 |
| CIGE #286 | T 10S, R 21E, S. 9 | 2230' FNL 783' FEL | Access/Pipeline in 10 acre | None |
| CIGE #287 | T 10S, R 21E, S. 9 | 1726' FSL 1969' FEL | Access/Pipeline 200' | None |

ORIGINAL

CULTURAL RESOURCE INVENTORY OF EL PASO PRODUCTION'S CIGE #283 ALTERNATE 2 WELL LOCATION UINTAH COUNTY, UTAH

Keith R. Montgomery

RECEIVED

NOV 2 2 2002

DIVISION OF OIL GAS AND MINING

CULTURAL RESOURCE INVENTORY OF EL PASO PRODUCTION'S CIGE #283 ALTERNATE 2 WELL LOCATION UINTAH COUNTY, UTAH

Keith R. Montgomery

Prepared For:

Bureau of Land Management (Vernal Field Office)

Prepared Under Contract With:

El Paso Production Oil and Gas Company 1368 South 1200 East Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants P.O. Box 147 Moab, Utah 84532

MOAC Report No. 02-57

April 8, 2002

United States Department of Interior (FLPMA)
Permit No. 01-UT-60122

State of Utah Antiquities Project (Survey) Permit No. U-02-MQ- 0173b

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in April 2002 for El Paso Production Oil and Gas Company's CIGE #283 (Alt. 2) well location, access and pipeline corridor. This survey resulted from the relocation of the original CIGE #283 well location because of the discovery of a prehistoric site (42Un3017) (Montgomery and Ball 2002). The survey was implemented at the request of Mr. Carroll Estes, El Paso Production Oil and Gas Company, Vernal, Utah. The project is situated on land administered by the Bureau of Land Management (BLM), Vernal Field Office.

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on April 5, 2002 by Keith R. Montgomery, (Principal Investigator) of MOAC. The project was initiated under the auspices of U.S.D.I. (FLPMA) Permit No. 01-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-02-MQ-0173b issued to MOAC.

A file search was performed by Keith Montgomery at the BLM Vernal Field Office on March 28, 2002. This consultation indicated that several archaeological inventories have been completed adjacent or within the project area. In 2002, MOAC inventoried a pipeline for El Paso Production between CIGE #57 well and the Morgon State Compressor that resulted in no cultural resources (Montgomery 2002). In March 2002, MOAC surveyed seven well locations in various areas that included the original CIGE #283 location in T 9S, R 21E, Sec. 35. Several archaeological sites were located in this project area including a prehistoric temporary camp (42Un3017) found on proposed well CIGE #283. It was recommended that this well location be moved to avoid the eligible site.

DESCRIPTION OF PROJECT AREA

The El Paso Production CIGE #283 (Alt. 2) well location, access route and pipeline corridor is situated in the Natural Buttes Field, southeast of Ouray, Utah. The legal description is Township 9 South, Range 21 East, Section 35 SE/SE, (755' FSL 504' FEL) (Figure 1).

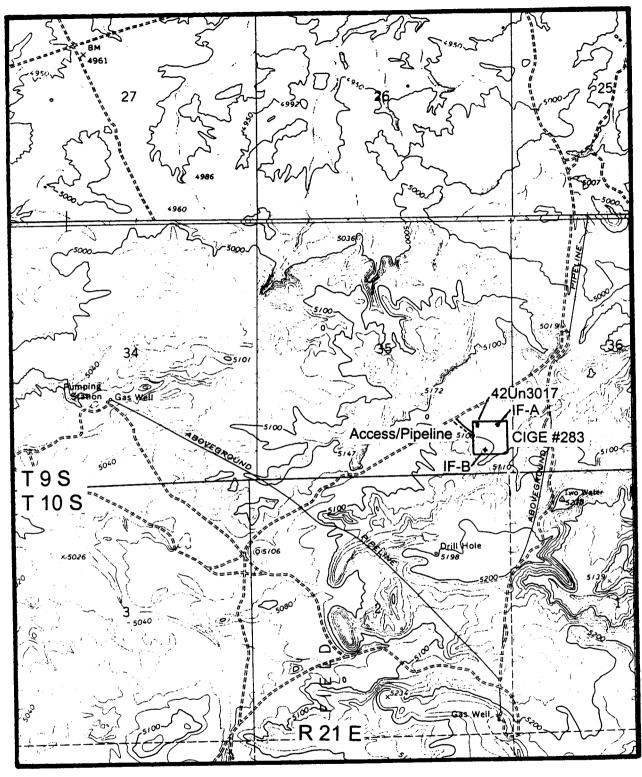


Figure 1. Inventory Area of El Paso Production Oil and Gas Company's CIGE #283 (Alt. 2) Well Location with Cultural Resources. USGS 7.5' Big Pack Mtn. NE, Utah 1968. Scale 1:24000.

Environment

The study area lies within the Uinta Basin physiographic unit, a distinctly bowlshaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. The geology is comprised of Tertiary age deposits which include Paleocene age deposits, and Eocene age fluvial and lacustrine sedimentary rocks. The Uinta Formation, which is predominate in the project area, occurs as eroded outcrops formed by fluvial deposited, stream laid interbedded sandstone and mudstone, and is known for its prolific paleontological localities. Specifically, the project area occurs on the east and west sides of Cottonwood Wash on the valley floors which are interspersed by flat topped buttes and narrow steep-sided ridges. The area is heavily dissected and carved by ephemeral drainages. The surface geology consists of hard pan residual soil armored with shale and sandstone pebbles as well as some sand shadows. The elevation is approximately 5100 feet a.s.l. The project occurs within the Upper Sonoran Desert Shrub Association which includes shadscale, greasewood, mat saltbrush, snakeweed, rabbitbrush, prickly pear cactus, Indian ricegrass and non-native plants and grasses. Modern disturbances include roads and oil/gas development.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At the proposed well location, a ten acre area centered on the center stake of the location was surveyed by the archaeologists walking parallel transects spaced no more than 30 feet apart. The access and pipeline corridors were 100 feet wide, surveyed by walking parallel transects along the staked centerline, spaced no more than 10 m (30 ft) apart. A wider corridor (150 foot) was inspected when access/pipeline routes shared a corridor. Ground visibility was considered to be good. A total of 12 acres was inventoried, all of which occurs on BLM (Vernal Field Office) administered land.

INVENTORY RESULTS

The inventory of El Paso Production's CIGE #283 (Alt. 2) well location, access and pipeline corridor resulted in the location of a previously documented site (42Un3017) and two isolated finds of artifacts (IF-A and IF-B).

Archaeological Site

Smithsonian Site No.:

42Un3017

Temporary Site No.:

02-46-1

Land Status:

BLM

NRHP Eligibility:

Eligible under Criterion D

Description: This is a prehistoric temporary camp of unknown cultural affiliation located among aeolian dunes at the base of a ridge. It was documented by Montgomery Archaeological Consultants during the inspection of the original CIGE #283 well location (Montgomery and Ball 2002). The site includes two concentrations of firecracked rocks (Features 1 and 2). Feature 1 is a cluster of fire-altered angular sandstone rocks located in a slight blow-out near the edge of an aeolian dune. The feature occurs on a 3 degree slope, and includes about 25 fist-sized and smaller rocks, and two smaller slabs, all which are horizontal. A few of the stones are partially buried, and none of the rocks were in upright position. Feature 2 is a cluster of six fist-sized sandstone rocks interspersed with roughly 12 smaller rocks. None of the rocks are upright. The stones appear to be oxidized, and are located in a deflated area of the dune. The features lacked surface evidence of dark soil deposits nor were any artifacts found at the site.

Isolated Finds of Artifacts

Isolated Find A (IF-A) is located in the SE/SE/NE of S. 35, T 9S, R 21E (UTM 627223E/4427281N). It consists of a brown medium-grain slab metate exhibiting three shaped margins and a slightly used oval concave surface with pecking (60x25x10cm).

Isolated Find B (IF-B) is situated in the SE/SE/SE of S. 35, T 9S, R 21E (UTM 627149E/4427117N). It is a tan coarse-grain rectangular slab metate with shaped margins that exhibits a moderately concave grinding surface (54x24x8cm).

CONCLUSION AND RECOMMENDATION

The inventory of El Paso Oil & Gas Productions CIGE #283 (Alt. 2) well location, access and pipeline corridor resulted in the location of a previously documented eligible site (42Un3017) and two prehistoric isolated metates (IF-A and IF-B). Site 42Un3017 is an eligible prehistoric site located on a sand dune within the 10 acre parcel surveyed for proposed well location CIGE #283 (Alt. 2). Although this site will be avoided by the construction activities, it is recommended that the well pad, access and pipeline corridor be monitored by an archaeologist because of the potential for subsurface cultural remains.

Based on the adherence to this recommendation, a determination of "no historic properties affected" is proposed for this undertaking pursuant to Section 106, CFR 800.

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Montgomery, K.R.

2002 Cul

Cultural Resource Inventory of El Paso Production's CIGE #57 to Morgon State Compressor Pipeline, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-01-MQ-0804b, on file at the BLM Field Office, Vernal, Utah.

Montgmery, K.R., and S. Ball

2002

Cultural Resource Inventory of El Paso Production's Seven Well Locations in Natural Buttes, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-02-MQ-0121b, on file at the BLM Field Office, Vernal, Utah.

Stokes, W.L.

1986

Geology of Utah. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

EL PASO PRODUCTION OIL & GAS COMPANY

CIGE #283 SECTION 35, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 5.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH: TURN LEFT AND PROCEED IN A NORTHERELY THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.8 MILES.

EL PASO PRODUCTION OIL & GAS COMPANY

CIGE #283

LOCATED IN UINTAH COUNTY, UTAH SECTION 35, T9S, R21E, S.L.B.&M.

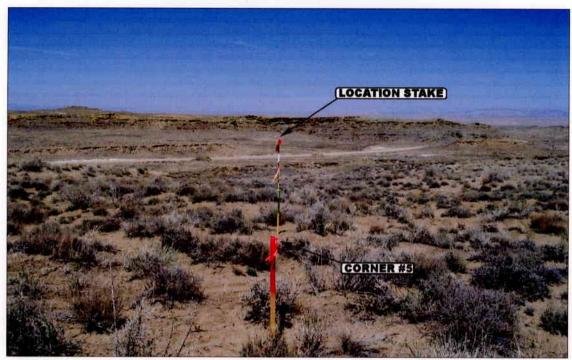


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

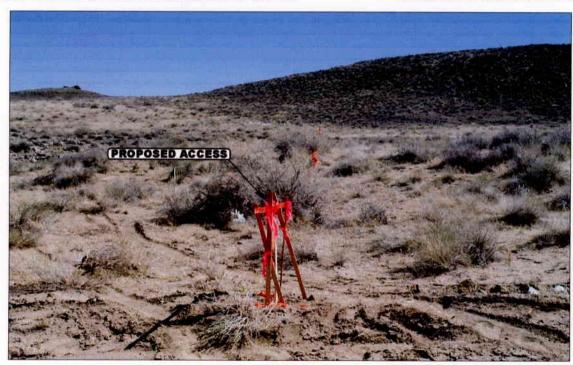


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY

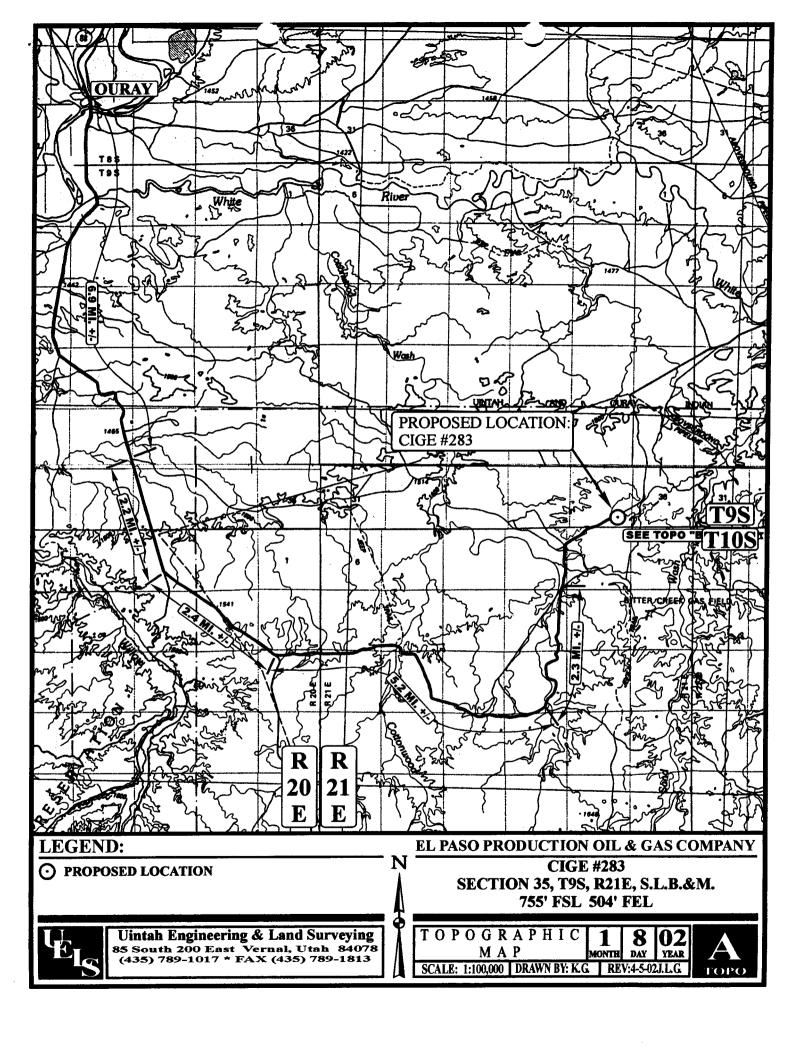


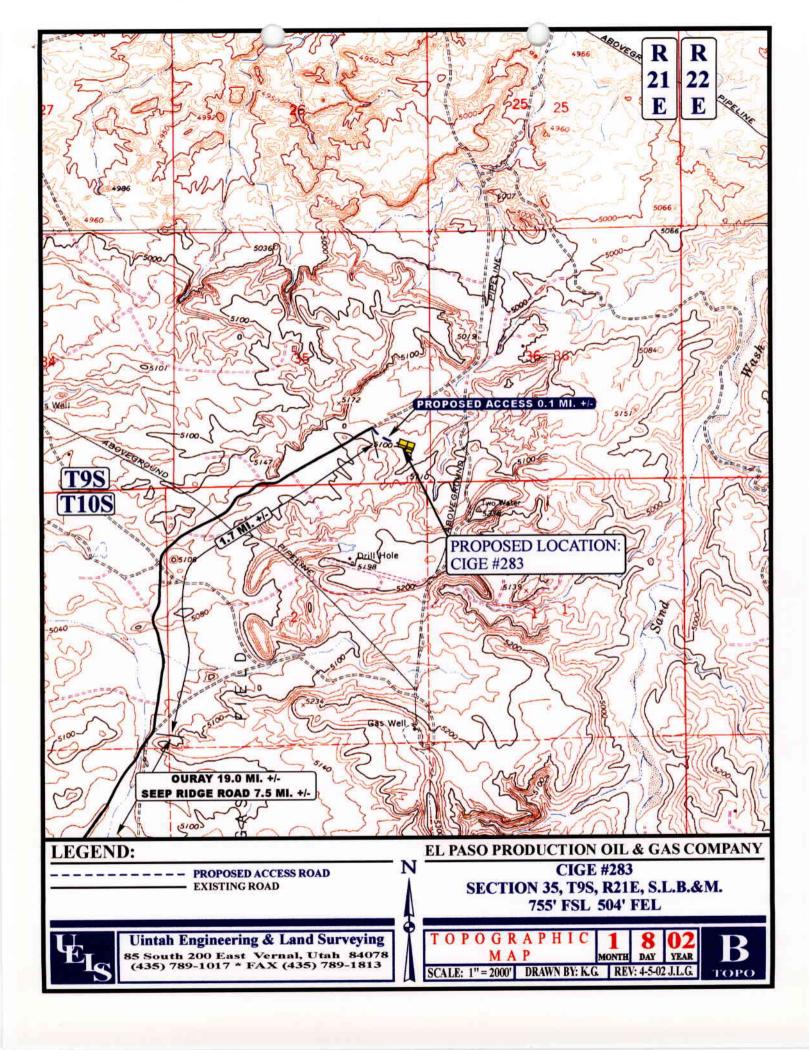
Uintah Engineering & Land Surveying

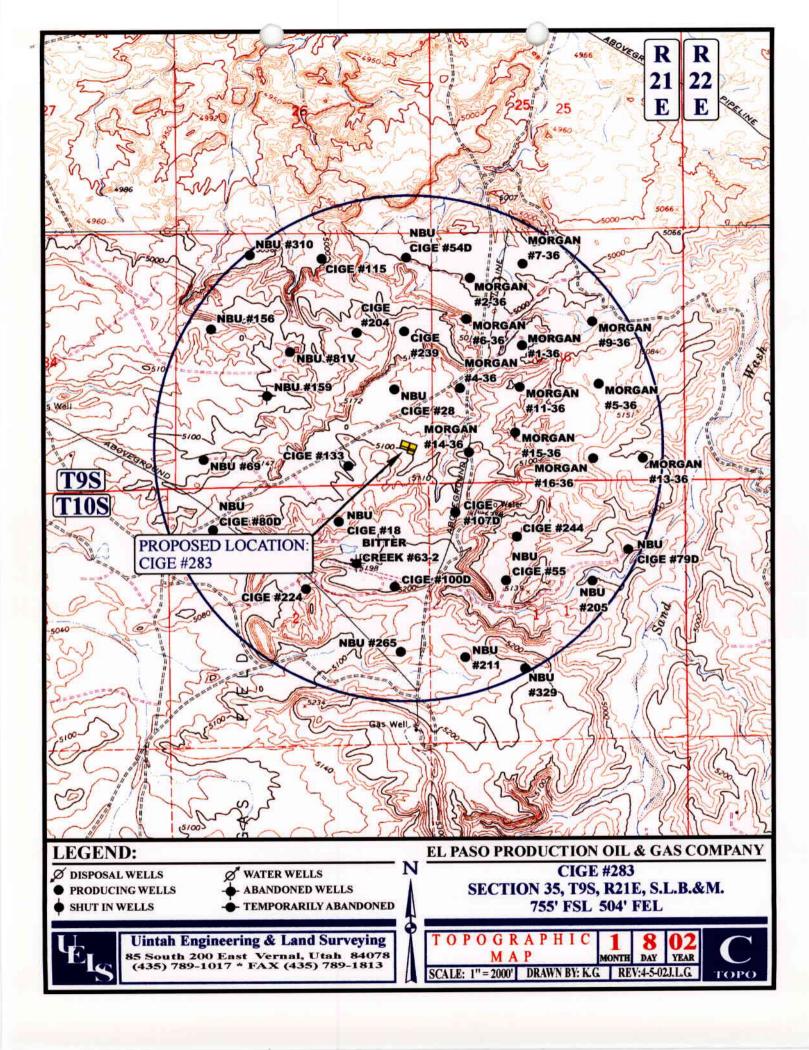
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

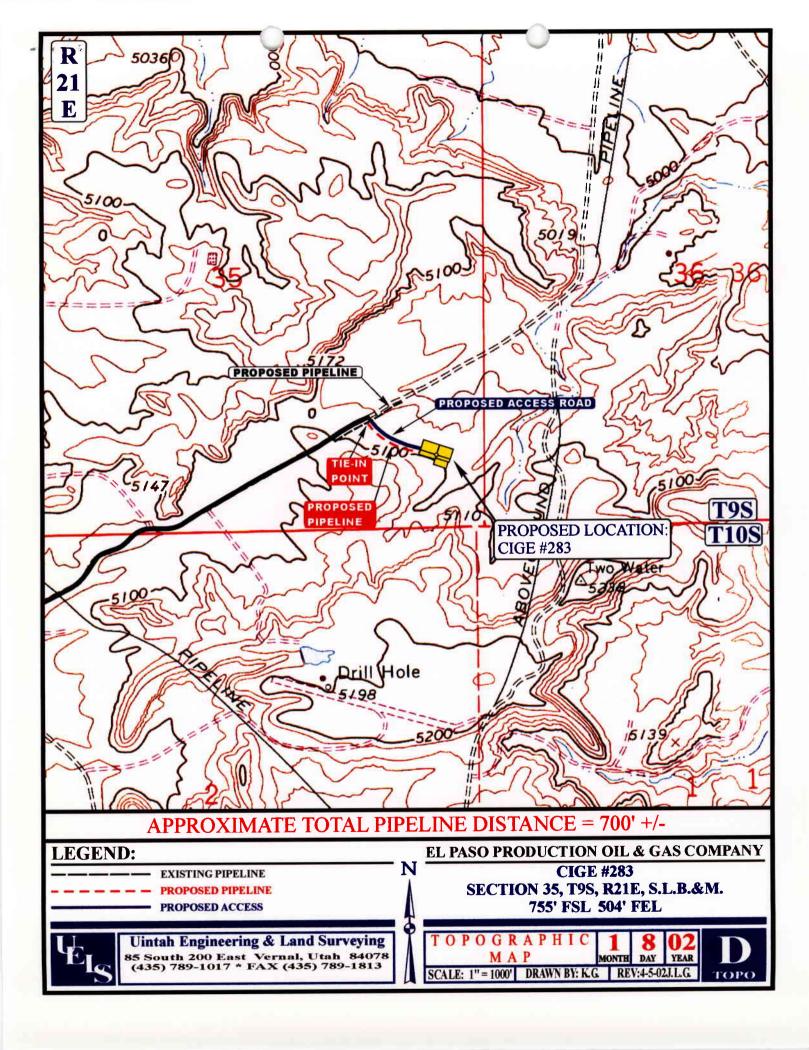
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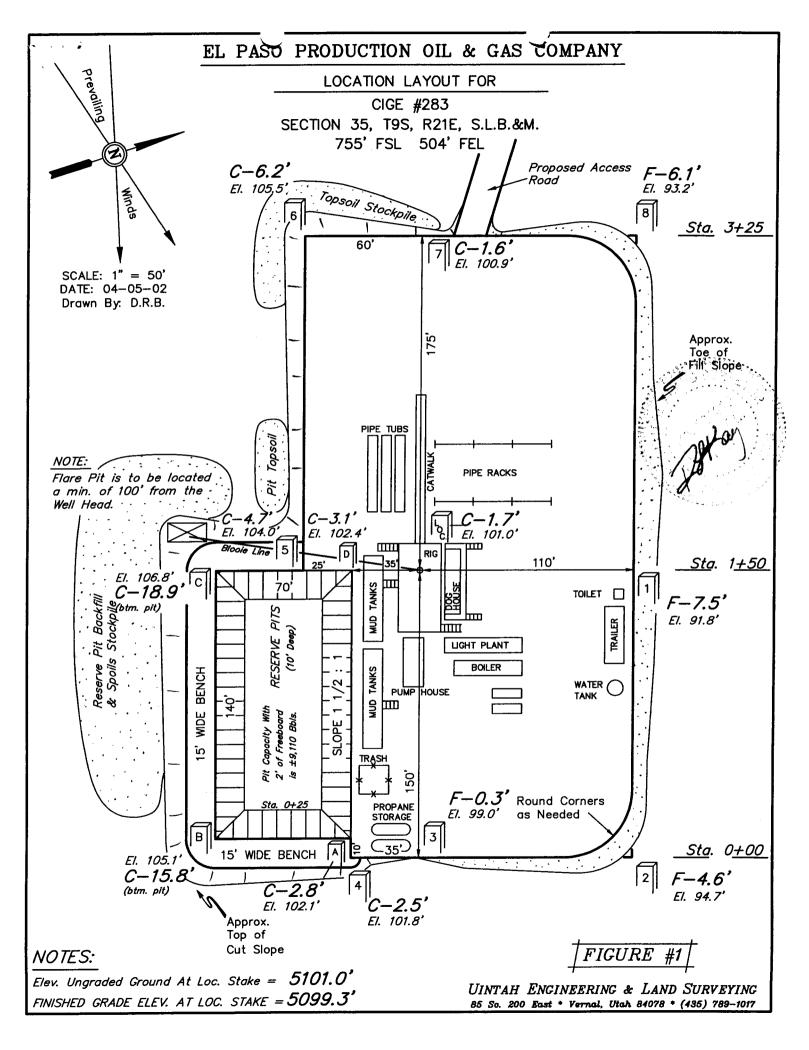
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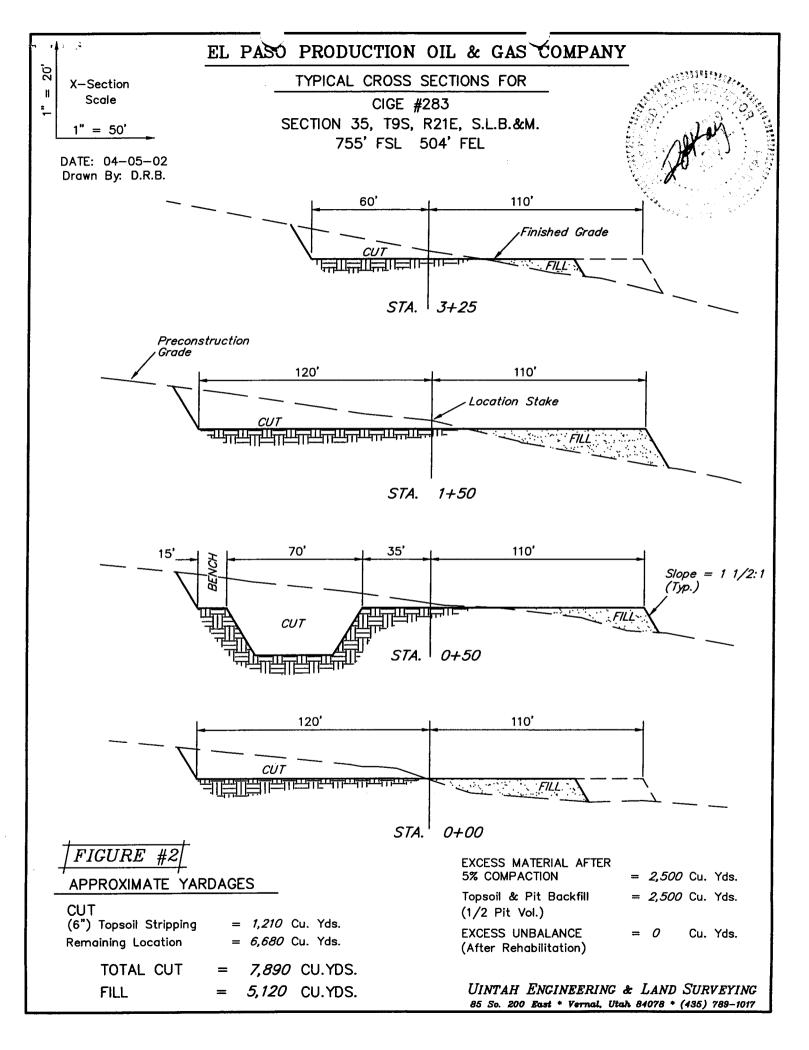






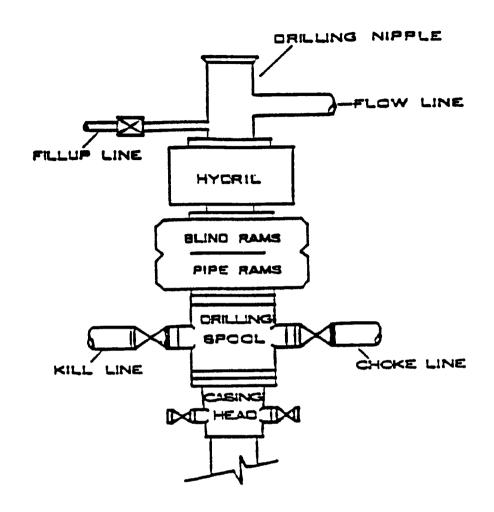


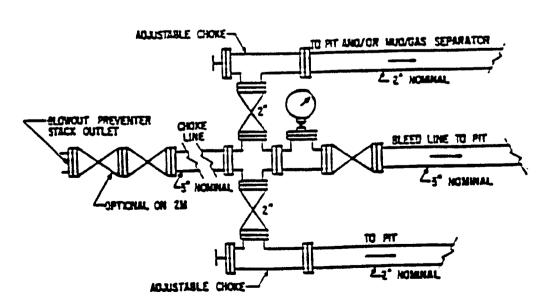




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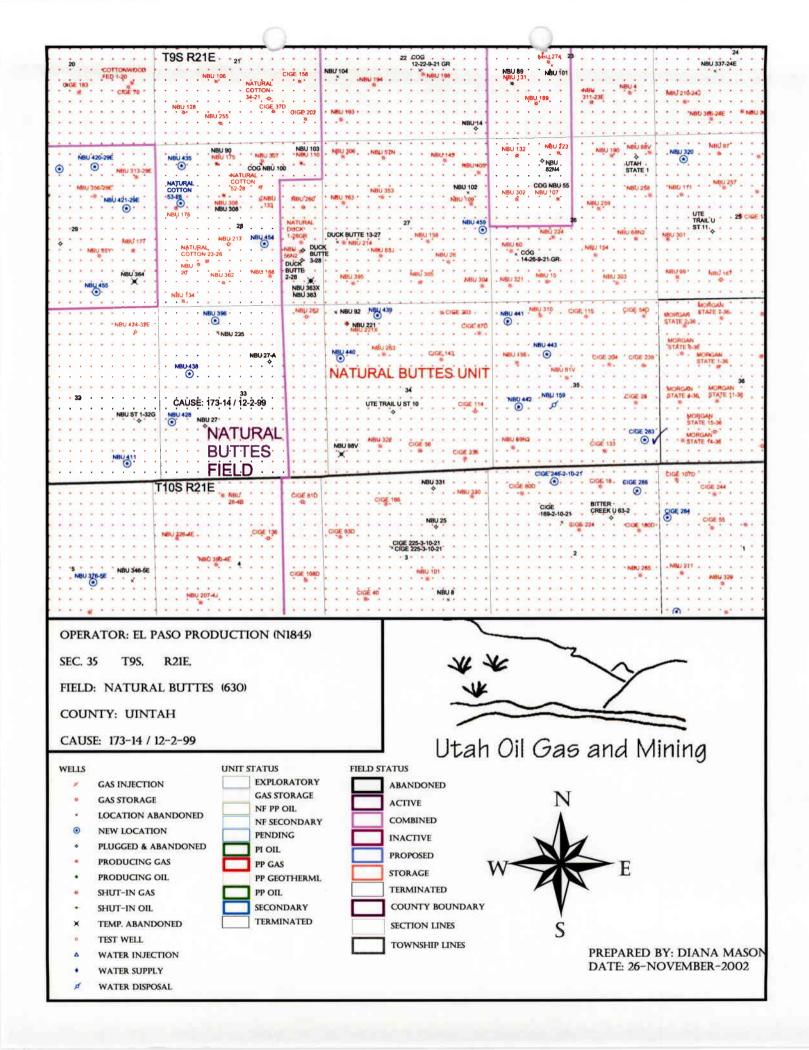
EOP STACK





WORKSHEET APPLICATION FOR PERMIT TO DRILL

| APD RECEIVED: 11/22/2002 | API NO. ASSIGNED: 43-047-34790 | | | | | |
|---|--|---|---------------|--|--|--|
| WELL NAME: CIGE 283 OPERATOR: EL PASO PROD OIL & GAS (N1845) CONTACT: CHERYL CAMERON PROPOSED LOCATION: | PHONE NUMBER: 435-781-7023 | | | | | |
| SESE 35 090S 210E | INSPECT LOCATN BY: / / | | | | | |
| SURFACE: 0755 FSL 0504 FEL BOTTOM: 0755 FSL 0504 FEL | Tech Review Engineering | Initials ORP | 1/28/03 | | | |
| UINTAH NATURAL BUTTES (630) | Geology | | | | | |
| LEASE TYPE: 3 - State | Surface | = | | | | |
| LEASE NUMBER: ML-22582 SURFACE OWNER: 3 - State PROPOSED FORMATION: MVRD | LATITUDE: 39.9 | | | | | |
| RECEIVED AND/OR REVIEWED: Plat Bond: Fed[] Ind[] Sta[3] Fee[] (No. 400JU0705) N Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. 43-8496) N RDCC Review (Y/N) (Date:) N Fee Surf Agreement (Y/N) | R649-3-3. Drilling United Board Cause Eff Date: Siting: | TES. General Trom Qtr/Qtr & 920' Exception | uncomm. Trace | | | |
| COMMENTS: Needs Presite (17-11 STIPULATIONS: DI Shale 2 STATEMENT 6 | | | | | | |



ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: EL PASO PRODUCTION OIL & GAS COMPANY.

WELL NAME & NUMBER: CIGE 283

API NUMBER: 43-047-34790

LEASE: ML-22582 FIELD/UNIT: NATURAL BUTTES

LOCATION: 1/4,1/4 SE/SE Sec: 35 TWP: 9S RNG: 21E 504' FEL 755' FSL

LEGAL WELL SITING: F SEC. LINE; F 1/4,1/4 LINE; F ANOTHER WELL.

GPS COORD (UTM): 4427419N 12627105N SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM), MILES HANBERG, (DWR), CARROLL ESTES, CARROLL WILSON, (EL PASO). ROBERT KAY, (UELS).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS ON THE NORTH SLOPE OF A RIDGE RUNNING EAST TO WEST. THE TOP OF THIS RIDGE IS 1000' TO THE SOUTH. DRAINAGE AT THIS SITE IS TO THE NORTH. SHALLOW DRAINAGES FORM LARGER DRAWS AND ALL RUN TO THE NORTH TOWARD THE WHITE RIVER. SITE IS 4.5 MILES SOUTH OF THE WHITE RIVER AND 20.8 MILES SOUTHEAST OF OURAY, UTAH.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 230'. ACCESS ROAD WILL BE 0.1 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: <u>ALL PRODUCTION</u> FACALITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: <u>ALL CONSTRUCTION MATERIAL WILL BE</u> BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SALTBRUSH, SHADSCALE, PRICKLEY PEAR, CHEATGRASS, SAGE, GRASSES: PRONGHORN, COYOTES, SONGBIRDS, RAPTORS, RODENTS, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: <u>VERY LITTLE NATURAL EROSION.</u>
<u>SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION</u>
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 140' BY 70' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL NOT BE REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: <u>SITE WAS INSPECTED BY MONTGOMERY</u> ARCHEOLOGICAL CONSULTANTS. <u>A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE. BECAUSE OF A PREVIOUSLY DOCUMENTED ELIGIBLE PREHISTORIC SITE WITHIN THE 10 ACRE PARCEL SURVEYED FOR THIS PROPOSED LOCATION, MONTGOMERY RECOMMENDS AN ARCHAEOLOGIST MONITOR CONSTRUCTION OF THIS LOCATION.</u>

OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COLD, FROSTY DAY WITH TWO INCHES OF SNOW COVER,

ATTACHMENTS

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD DOGM REPRESENTATIVE

12/11/02. 11:30 AM DATE/TIME

Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

| Site-Specific Factors | Ranking | Site Ranking |
|---|----------|--------------|
| Distance to Groundwater (feet) | | |
| >200 | 0 | |
| 100 to 200 | 5 | |
| 75 to 100 | 10 | |
| 25 to 75 | 15 | E |
| <25 or recharge area | 20 | 5 |
| Distance to Surf. Water (feet) >1000 | 0 | |
| 300 to 1000 | 2 | |
| 200 to 300 | 10 | |
| 100 to 200 | 15 | _ |
| < 100 | 20 | 0 |
| Distance to Nearest Municipal Well (feet) | | |
| >5280 | 0 | |
| 1320 to 5280 | 5 | |
| 500 to 1320 | 10 | |
| <500 | 20 | 0 |
| | | |
| Distance to Other Wells (feet) | • | |
| >1320 | 0 | |
| 300 to 1320 <300 | 10 20 | 0 |
| <300 | 20 | |
| Native Soil Type | | |
| Low permeability | 0 | |
| Mod. permeability | 10 | _ |
| High permeability | 20 | 0 |
| Fluid Type | | |
| Air/mist | 0 | |
| Fresh Water | 5 | |
| TDS >5000 and <10000 | 10 | |
| TDS >10000 or Oil Base Mud Fluid | 15 | |
| containing significant levels of | 20 | = |
| hazardous constituents | 20 | 5 |
| Drill Cuttings | | |
| Normal Rock | 0 | |
| Salt or detrimental | 10 | 0 |
| Annual Precipitation (inches) | | |
| <10 | 0 | |
| 10 to 20 | 5 | |
| >20 | 10 | 0 |
| 255 | | |
| Affected Populations <10 | 0 | |
| 10 to 30 | 6 | |
| 30 to 50 | 8 | |
| >50 | 10 | 0 |
| Presence of Nearby Utility | | |
| Conduits | 0 | |
| Not Present Unknown | 10 | |
| Present | 15 | 0 |
| 11696116 | | |
| | | |

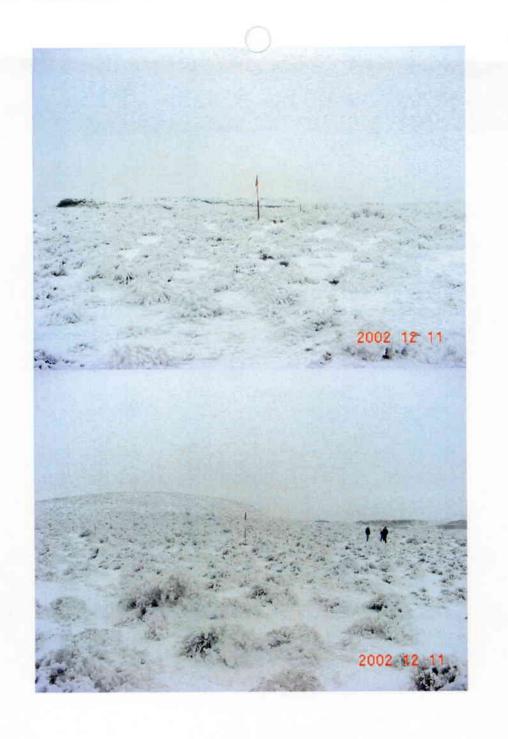
10 (Level III Sensitivity)

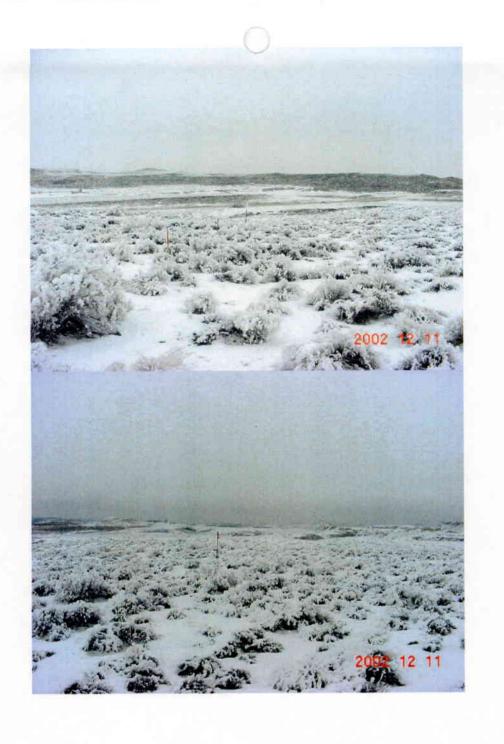
Sensitivity Level II = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.

Final Score





DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

| OPERATOR: | EL PASO PRODUCTION & GAS COMPANY |
|---|--|
| WELL NAME & NUMBER: | CIGE 283 |
| API NUMBER: | 43-047-34790 |
| LOCATION: 1/4,1/4 <u>SE/SE</u> Sec:3 | 35 TWP: <u>9S</u> RNG: <u>21E</u> <u>504'</u> FEL <u>755'</u> FSL |
| Geology/Ground Water: | |
| El Paso proposes to set 250' of surfa | ace casing at this location. The depth to the base of the moderately saline |
| water at this location is estimated to | be at a depth of 3,000'. A search of Division of Water Rights records |
| | 000 foot radius of the center of section 35. These wells are approximately |
| | ocation and are listed as a mining use well or "other use". Depth of the wells |
| | urface formation at this site is the Uinta Formation. The Uinta Formation is |
| | sandstones. The sandstones are mostly lenticular and discontinuous and |
| | f useable ground water. Production casing cement should be brought to |
| above the base of the moderately sal | line groundwater in order to isolate it from fresher waters uphole. |
| Reviewer: Brad I | Hill Date: 12/16/02 |
| Surface: | |
| The predrill investigation of the surf | face was performed on 12/11/02. Floyd Bartlett and Miles Hanberg with DWR |
| | vited to this investigation on 12/2/02. Mr. Hanberg was present. SITLA did not |
| | Hanberg did not have any concerns regarding the construction of this location or |
| | s on State surface. This site appears to be the best site for a location in the |
| | chaeological Consultants recommend that construction of this location be |
| | use of a previously documented eligible prehistoric site located within the 10 |
| acre parcel surveyed for this location | on. Mr. Estes said that this would be done. |
| Reviewer: _David W | W. Hackford Date: 12/13//02 |
| Conditions of Approval/Applicati | ion for Permit to Drill: |
| | |
| None. | |

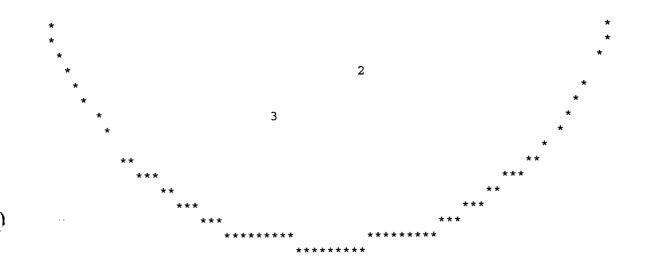
UTAH DIVISION OF WATER RIGHTS

WATER RIGHT POINT OF DIVERSION PLOT CREATED MON, DEC 16, 2002, 2:30 PM
PLOT SHOWS LOCATION OF 4 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT FEET, FEET OF THE CT CORNER, SECTION 35 TOWNSHIP 9S RANGE 21E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET

NORTH 1 0



UTAH DIVISION OF WATER RIGHTS

NWPLAT POINT OF DIVERSION LOCATION PROGRAM

| MAP CHAI | | WATER RIGHT | | QUANTIT CFS AND/OF | | SOURCE DE | | WELL INE | | POI RTH | NT C | _ | | ON DE | ESCRIP | rion RNG | B& |
|-------------|-----------|----------------|-------|------------------------------|-----------------|------------|---------------------|----------|-----------|------------|------|------|----|--------------|-------------|--------------|--------|
| 0 | <u>49</u> | | WATER | 1.0000 USE(S): MINIT | .00 NG OTHER | 7 | 1667 10100 Santa | Monica F | N 21vd | 951 | E | 689 | | | 9S DATE: | 21E 07/10 | |
| | | | Tosco | Corporation | | | 10100 Sanca | Monica i | siva | • | | | | | | | |
| 1 | 49 | | WATER | .6000 USE(S): MININ | .00 NG OTHER | 7 | 1604 | | N | 643 | E | 592 | | 36 RITY | 9S DATE: | 21E 07/10 | |
| | | | Tosco | Corporation | | | 10100 Santa | Monica F | 31vd | • | | | Lo | os Ar | ngeles | | |
| 2 | 49 | 3 | | .0256 | .00 | 5 | 2640 | | S | 1650 | W | 1564 | | 2 R T T V | 10S | 21E 06/17 | - |
| | | | | USE(S): OTHER Agricultura | | n Incorpor | Box 523 | | | | | | | erna | | 00/1/ | , _ |

3 49 356 1.2500 .00 7 1525 - 1570 S 3200 E 850 NW 2 10S 21E S

WATER USE(S): MINING OTHER PRIORITY DATE: 07/10/1

Tosco Corporation 10100 Santa Monica Blvd. Los Angeles

Well name:

12-02 El Paso CIGE 283

Operator:

El Paso Production Company

String type:

Surface

Project ID:

43-047-34790

Environment:

Location:

Collapse

Uintah County

Design is based on evacuated pipe.

Minimum design factors:

Collapse: Design factor

H2S considered? Surface temperature: No 65 °F

Bottom hole temperature: Temperature gradient:

68 °F 1.40 °F/100ft

Minimum section length:

200 ft

Burst:

Design factor

1.00

1.80 (J)

1.125

Cement top:

Surface

Burst

Max anticipated surface

pressure: Internal gradient: Calculated BHP

Design parameters:

Mud weight:

0 psi 0.468 psi/ft

8.330 ppg

117 psi

No backup mud specified.

Tension:

8 Round STC: 8 Round LTC:

1.80 (J) 1.60 (J) **Buttress:** 1.50 (J) Premium:

Body yield:

1.50 (B)

Tension is based on air weight. Neutral point: 219 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

8.300 ft 9.000 ppg 3,881 psi

Fracture mud wt: Fracture depth: Injection pressure 19.250 ppg 250 ft 250 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 1 | 250 | 9.625 | 32.30 | H-40 | ST&C | 250 | 250 | 8.876 | 15.8 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
| 1 | 108 | 1370 | 12.66 | 117 | 2270 | 19.42 | 8 | 254 | 31.46 J |

Prepared

Dustin Doucet

Utah Dept. of Natural Resources by:

Phone: 801-538-5281 FAX: 801-359-3940

Date: January 23,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 250 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

12-02 El Paso CIGE 283 Well name:

El Paso Production Company Operator:

Production Project ID: String type: 43-047-34790

Uintah County Location:

Design parameters:

Collapse 9.000 ppg Mud weight: Design is based on evacuated pipe.

Minimum design factors: Collapse:

Design factor 1.125

Environment: H2S considered?

Cement top:

No 65 °F Surface temperature: 181 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient: 368 ft

Minimum section length:

1.00

Surface

Burst

Max anticipated surface

pressure: 0 psi 0.468 psi/ft Internal gradient: 3,880 psi Calculated BHP

No backup mud specified.

Tension:

Burst:

Design factor

1.80 (J) 8 Round STC: 1.80 (J) 8 Round LTC: **Buttress:** 1.60 (J) 1.50 (J) Premium: Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 7,183 ft Non-directional string.

| Run | Segment | | Nominal | | End | True Vert | Measured | Drift | Internal |
|-----|----------|----------|----------|-------|----------|-----------|----------|----------|----------------|
| Seq | Length | Size | Weight | Grade | Finish | Depth | Depth | Diameter | Capacity |
| • | (ft) | (in) | (lbs/ft) | | | (ft) | (ft) | (in) | (ft³) |
| 1 | 8300 | 4.5 | 11.60 | J-55 | LT&C | 8300 | 8300 | 3.875 | 192.4 |
| Run | Collapse | Collapse | Collapse | Burst | Burst | Burst | Tension | Tension | Tension |
| Seq | Load | Strength | Design | Load | Strength | Design | Load | Strength | Design |
| • | (psi) | (psi) | Factor | (psi) | (psi) | Factor | (Kips) | (Kips) | Factor |
| 1 | 3880 | 4960 | 1.28 | 3880 | 5350 | 1.38 | 96 | 162 | (1.68 J) |
| | | | | | | | | | E Piso assumes |

SOKE mex overpuil thebeen Standard practice Dan Lindsey 1/27/03

LAMINI BUDYENCY

Dustin Doucet Prepared

Utah Dept. of Natural Resources by:

Phone: 801-538-5281 FAX: 801-359-3940

Date: January 23,2003 Salt Lake City, Utah

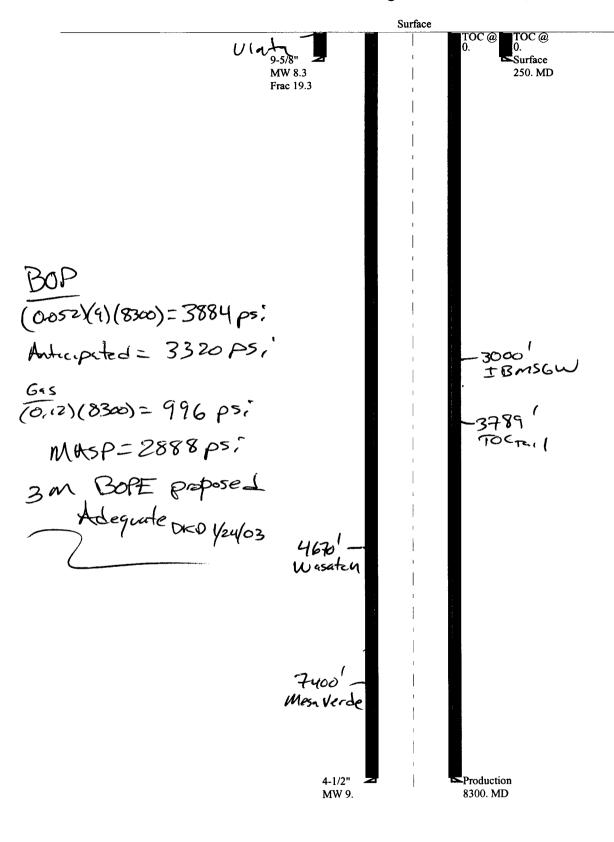
ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 8300 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

12-02 El Paso CIGE 28:

Casing Schematic



Form 9

STATE OF UTAH

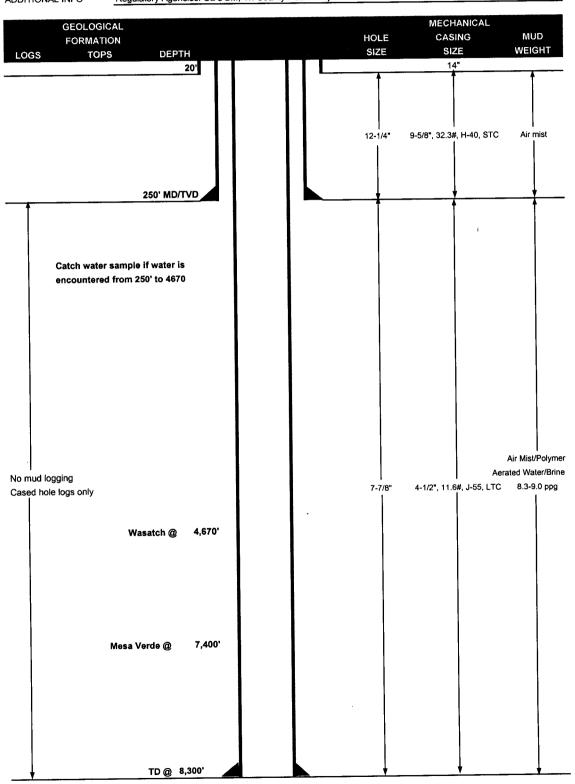
| OTATE OF OTATI |
|---------------------------------|
| DEPARTMENT OF NATURAL RESOURCES |
| DIVISION OF OIL, GAS AND MINING |

| DIVISION OF OIL, GAS AND MINII | 6. Lease Designation and Serial Number ML-22582 | | | |
|--|---|---|--|--|
| | | 7. Indian Allottee or Tribe Name | | |
| SUNDRY NOTICES AND REPORTS OF | N WELLS | | | |
| Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter Use APPLICATION FOR PERMIT for such proposals | plugged and abandoned wells. | Unit or Communitization Agreement | | |
| Type of Well | | 9. Well Name and Number | | |
| Oil Gas Well Other (specify) | | CIGE 283 | | |
| Name of Operator El Paso Production Oil & Gas Company | | 10. API Well Number | | |
| 3. Address of Operator | 4. Telephone Number | 11. Field and Pool, or Wildcat | | |
| P.O. Box 1148 Vernal, UT 84078 | (435) 781-7023 | Natural Buttes | | |
| 5. Location of Well | (100) 100 1000 | | | |
| Footage : 755' FSL & 504' FEL | County : | Uintah | | |
| QQ, Sec, T., R., M : SESE SEC . 35, T9S, R21E | • | UT | | |
| 12. CHECK APPROPRIATE BOXES TO INDICATE | · · · · · · · · · · · · · · · · · · · | | | |
| NOTICE OF INTENT | | BSEQUENT REPORT | | |
| (Submit in Duplicate) | | omit Original Form Only) | | |
| Abandonment New Construction | Abandonment | * New Construction | | |
| Casing Repair Pull or Alter Casing | Casing Repair | Pull or Alter Casing | | |
| x Change of Plans Recompletion | Change of Plan | | | |
| Conversion to Injection Shoot or Acidize | Conversion to | | | |
| Fracture Treat Vent or Flare | Fracture Treat | | | |
| Multiple Completion Water Shut-Off | Other | | | |
| Other | | | | |
| | Date of Work Completion | | | |
| Approximate Date Work Will Start | | | | |
| | 1 | Completions and Recompletions to different reservoirs | | |
| , | | OR RECOMPLETION AND LOG form. ed by a cement verification report. | | |
| 13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pert | | | | |
| locations and measured and true vertical depths for all markers and zones pertine | | ates. If well is directionally diffied, give subsurface | | |
| OPERATOR REQUESTS TO AMEND THE CEMENT & CASIN | NG PROGRAM ORIGINA | ALLY SUBMITTED IN | | |
| THE APD (APPLICATION FOR PERMIT TO DRILL), AND PL | ACE THE SUBJECT WI | ELL ON CONFIDENTIAL | | |
| STATUS. | | RECEIVED | | |
| REFER TO THE ATTACHED DRILLING PROGRAM. | | JAN 2 1 2003 | | |
| | | OAC & MINING | | |
| | | DIV. OF OIL, GAS & MINING | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 14. I hereby certify that the foregoing is true and correct. | | | | |
| Name & Signature Cheryl Cameron Cheryl Cameron | Title C | Operations Date 01/16/03 | | |
| (State Use Only) | | | | |



DRILLING PROGRAM FOR APD

COMPANY NAME El Paso Production Company DATE MD/TVD TD 8,300' WELL NAME **CIGE 283** ELEVATION 5,099' KB Natural Buttes COUNTY Uintah STATE Utah FIELD Straight Hole 755' FSL, 504' FEL, SESE, SEC. 35, T9S, R21E SURFACE LOCATION Wasatch, Mesa Verde OBJECTIVE ZONE(S) Regulatory Agencies: UDOGM, Tri-County Health Dept. ADDITIONAL INFO





CASING PROGRAM

| | | | | | | DESIGN FACTORS | | |
|------------|--------|----------|-------|------|-------|----------------|----------|---------|
| | SIZE | INTERVAL | WT. | GR. | CPLG. | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 14" | 0-20' | | | | | | |
| | | | | | | 2270 | 1370 | 254000 |
| SURFACE | 9-5/8" | 0-250' | 32.30 | H-40 | STC | 16.19 | 11.71 | 4.37 |
| | | | | | | 5350 | 4960 | 162000 |
| PRODUCTION | 4-1/2" | 0-TD | 11.60 | J-55 | LTC | 1.83 | 1.28 | 1.11 |

1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)

DESCRIPTION
Class G + 2% CaCl2

- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point (Gas Gradient x TVD of Next Casing Point x 0.67) (Mud Weight x TVD x 0.052 x 0.33)
- 3) MASP (Prod Casing) = Pore Pressure (Gas Gradient x TVD of Production Interval)

FT. OF FILL

250

(Burst Assumptions: FG @ 9-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing, 50000 lbs overpull)

CEMENT PROGRAM

SURFACE

| | 4,170' | Premium Lite II + 3% KCI + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 450 | 60% | 11.00 | 3.38 |
|------|---------------------|--|---|--|--|--|
| TAIL | 4,130' | 50/50 Poz/G + 10% salt + 2% gel | 1160 | 60% | 14.30 | 1.31 |
| L. | RALIZERS | | .L | | | |
| | | - | spring | | | |
| | | | ird joint to to | op of tail cem | ent with bow | |
| | <u>-</u> | | | | | |
| | & CENT Guide centra | & CENTRALIZERS Guide shoe, 1 jt, in centralizers. Threa | **TAIL 4,130' 50/50 Poz/G + 10% salt + 2% gel **ECENTRALIZERS. Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow centralizers. Thread lock guide shoe. | TAIL 4,130' 50/50 Poz/G + 10% salt + 2% gel 1160 8 CENTRALIZERS Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to to | TAIL 4,130' 50/50 Poz/G + 10% salt + 2% gel 1160 60% & CENTRALIZERS. Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail centralizers. | TAIL 4,130' 50/50 Poz/G + 10% salt + 2% gel 1160 60% 14.30 8 CENTRALIZERS. Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow |

| | Test casing head to 75 | 0 psi after installing. Test surface casing to 1,500 psi p | prior to drilling out. | | | |
|----------|---|--|---|--|--|--|
| | BOPE: 11" 3M with on | e annular and 2 rams. Test to 3,000 psi (annular to 1,5 | 500 psi) prior to drilling out. Record on chart recorder & | | | |
| | tour sheet. Function te | st rams on each trip. Maintain safety valve & inside BC | OP on rig floor at all times. Kelly to be equipped with upper | | | |
| | & lower kelly valves. | | | | | |
| | Drop Totco surveys on bit trips. Maximum allowable hole angle is 5 degrees. | | | | | |
| | | | | | | |
| DRILLING | ENGINEER: | | DATE: | | | |
| | | Dan Lindsey | | | | |



Michael O. Leavitt Governor

Robert L. Morgan Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY

January 29, 2003

El Paso Production Oil & Gas Company P O Box 1148 Vernal, UT 84078

www.nr.utah.gov

Re:

CIGE 283 Well, 755' FSL, 504' FEL, SE SE, Sec. 35, T. 9 South, R. 21 East,

Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34790.

Sincerely,

John R. Baza

Associate Director

pb

Enclosures

cc:

Uintah County Assessor

SITLA

Bureau of Land Management, Vernal District Office



| Operator: | | El Paso Production Oil & Gas Company | | | | | | |
|--------------------|----------------|--------------------------------------|-------------------|--|--|--|--|--|
| Well Name & Number | | CIGE 283 | | | | | | |
| API Number: | | 43-047-34790 | | | | | | |
| Lease: | | ML-22582 | | | | | | |
| Location: SE SE | Sec. 35 | T. 9 South | R. 21 East | | | | | |

Conditions of Approval

General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
- 6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2



WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventeenth Street #2300 Deriver Colorada 60202-4436 Telephonet 303 573 5404 Fast: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE:

BLM Bond CO-1203

BLM Nationwide Bond 158626364

Surety - Continental Casualty Company

Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.

Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.

Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell;

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (Z) Assumption Riders, fully executed originals.

Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc., Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.

List of all Federal/BIA/State Leases - Beloo/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate confacting the undersigned, should a question arise.

Sincerely.

Westport Oil and Gas Company, L.P.

Black

Debby J. Black

Engineer Technicien

Encl:



United States Department of the Interior RECEIVED

BUREAU OF LAND MANAGEMENT

FEB 2 2 2002

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

DIVISION OF OIL, GAS AND MINING

In Reply Refer To: 3106 UTU-25566 et al (UT-924)

FEB 2 1 2002

NOTICE

Westport Oil and Gas Company L.P.

Oil and Gas

410 Seventeenth Street, #2300

:

Denver Colorado 80215-7093

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of <u>Westport Oil</u> and <u>Gas Company</u>, <u>Inc.</u> into <u>Westport Oil</u> and <u>Gas Company</u>, <u>L.P.</u> with <u>Westport Oil</u> and <u>Gas Company</u>, <u>L.P.</u> being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405 UTU-20895 UTU-25566 UTU-43156 UTU-49518 UTU-49519 UTU-49522 UTU-49523

> Robert Lopez Chief, Branch of Minerals Adjudication

Moab Field Office
 Vernal Field Office
 MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
 State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
 Teresa Thompson (UT-922)
 Joe Incardine (UT-921)

UNITED STATES GOVERNMENT

memorandu

Uintah & Ouray Agency

Date:

5 December, 2002

Reply to Attn of:

Supervisory Petroleum Engineer

Subject:

Modification of Utah Division of Oil, Gas and Mining Regulations

To:

Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator, You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process. liarles H Cameron

CC:

Minerals & Mining Section of RES

Ute Energy & Mineral Resources Department: Executive Director chrono



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240
FEB 1 0 2003

Carroll A. Wilson Principal Landman Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

ACTING

Director, Office of Trust Responsibilities

Derry 6 / Drivner

Enclosure



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Utah State Office

P.O. Box 45155 Salt Lake City, UT 84145-0155

IN REPLY REFER TO UT-922

February 27, 2003

Westport Oil and Gas Company, L.P. Attn: Gary D. Williamson 1670 Broadway, Suite 2800 Denver, Colorado 80202

Re:

Natural Buttes Unit Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

Enclosure

bcc:

Field Manager - Vernal (w/enclosure)

SITLA

Division of Oil, Gas & Mining Minerals Adjudication Group

File - Natural Buttes Unit (w/enclosure)

Agr. Sec. Chron

Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 2 8 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

| DIVISION OF OIL, GAS AND MINING | 5. LEASE DESIGNATION AND SERIAL NUMBER: |
|--|---|
| SUNDRY NOTICES AND REPORTS ON WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL OIL WELL GAS WELL OTHER | 8. WELL NAME and NUMBER: Exhibit "A" |
| 2. NAME OF OPERATOR: | 9. API NUMBER: |
| El Paso Production Oil & Gas Company 3. ADDRESS OF OPERATOR: PHONE NUMBER: | |
| 9 Greenway Plaza Care Houston STATE TX 28 77064-0995 (832) 676-5933 | 10. FIELD AND POOL, OR WILDCAT: |
| 4. LOCATION OF WELL | |
| FOOTAGES AT SURFACE: | COUNTY: |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO | RT, OR OTHER DATA |
| TYPE OF SUBMISSION TYPE OF ACTION | |
| NOTICE OF INTENT ACIDIZE DEEPEN DEEPEN | REPERFORATE CURRENT FORMATION |
| (Submit in Duplicate) | SIDETRACK TO REPAIR WELL |
| CHANGE TO PREVIOUS PLANS CHANGE OPERATOR CHANGE | TEMPORARILY ABANDON TUBING REPAIR |
| CHANGE TUBING PLUG AND ABANDON | VENT OR FLARE |
| SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK | WATER DISPOSAL . |
| (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) | WATER SHUT-OFF |
| Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE | OTHER: |
| CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION | |
| DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths. volume of the company o | |
| BOND # | |
| State Surety Bond No. RLB0005236 | |
| Fee Bond No. RLB0005238 | RECEIVED |
| | HEOLIVED |
| EL PASO PRODUCTION OIL & GAS COMPANY | FEB 2 8 2003 |
| | DIV. OF OIL, GAS & MINING |
| By: | DIV. OF OIL, GAG & MININGS |
| WESTPORT OIL AND GAS COMPANY, L.P. David R. Dix TITLE Agent and Attorn | ney-in-Fact |
| SIGNATURE DATE | |
| | |

(This space for State use only)

| Form 3 160-5 | <u> </u> | | | i e e e e e e e e e e e e e e e e e e e |
|--|---|---|-------------------------|--|
| (August 1999) | UNITED STAT | TES | | FORM APPROVED OMB No. 1004-0135 |
| BU | EPARTMENT OF THE RBAU OF LAND MA | S INTERIOR | | Expires Jaconster 30, 2000 |
| | Y NOTICES AND REP | | | 5. Loase Surial No. |
| Do not use th | is form for proposal | uris on Wells s to drill or reenter al | _ | SEE ATTACHED EXHIBIT "A" |
| abandoned wel | l. Use Form 3160-3 (A | PD) for such proposals | <i>n</i> L | 6. If indian, Allottee or Tribe Name |
| | LICATE - Other ins | tructions on reverse | side | 7. If Unit or CA/Agreement, Name and/or No. |
| 1. Type of Well Oil Well Gas Well | | | | 1 |
| 2. Name of Operator | Other | | | 8. Well Name and No. |
| WESTPORT OIL & GAS C | OMPANY, L.P. | | | SEE ATTACHED EXHIBIT "A" |
| 3a. Address | | 3b. Phone No. (include | area code) | 9. API Well No. |
| P.O. BOX 1148 VERNAL, (| JT 84078 | (435) 794 7000 | | SEE ATTACHED EXHIBIT "A" 10. Field and Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec. | , T., R., M., or Survey Descri | ption) | | and the state of t |
| SEE ATTACHED EXHIBIT | "A" | | | 11. County or Parish, State |
| ` | | | | UINTAH COUNTY, UT |
| 12. CHECK API | PROPRIATE BOX(ES) T | O INDICATE NATURE OF | P NOTICE, RI | EPORT, OR OTHER DATA |
| TYPE OF SUBMISSION | | | OF ACTION | |
| Notice of Intent | Acidize | Deepen [| 7 Production (| (Start/Resume) Water Shut-Off |
| Subsequent Report | Alter Casing | Fracture Treat | Reclamation | |
| - and and topot | Casing Repair Change Plans | New Construction | Recomplete | X Other |
| Final Abandonment Notice | Convert to Injection | Plug and Abandon | Temporarily Water Dispo | |
| following completion of the involve | work will be performed or | provide the Bond No. on file | with BLM/BIA | tate of any proposed work and approximate durati l and true vertical depths of all pertinent markers. Required subsequent reports shall be filed with pletion in a new interval, a Form 3160-4 shall be ng reclamation, have been completed, and the op |
| WESTPORT OIL & GAS COMP LANDS AND IS RESPONSIBLE | ANY, L.P., IS CONSIDE | ERED TO BE THE OPER | PATAP AN T | WE ATTACHED DECOME |
| | | | | |
| | | | | |
| BY FEDERAL NATIONWIDE BO BOND NO. RLB0005239, EFFE | JND NO. 158626364, E CTIVE FEBRUARY 10 | FFECTIVE FEBRUARY | 1, 2002, AND | BIA NATIONWIDE |
| • • • • • | | 2003. | | |
| 1 | | | | RECEIVED |
| | | | | MAR 0 4 2003 |
| 14. I hereby certify that the foregoing | is true and correct | - | | DIV. OF OIL, CAS & MINING |
| Name (Printed/Typed) CHERYL CAMERON | | Title | | |
| Signature | _ | OPERATIONS Date | | |
| where lanes | | March 4, 2003 | | |
| Approved by | THIS SPACE | FOR FEDERAL OR STAT | e use | |
| | . | Title | | Date |
| Conditions of approval, if any, are attached A correctly that the applicant holds legal or equinal which would entitle the applicant to conduct on | as nit to mose ushes in the sub | ject lease | | |
| Title 18 U.S.C. Section 1001 make to | Complete Markott. | | 4 - 1 | |
| false, fictitious or fraudulent statements | or representations as to any | matter within its jurisdiction. | w any departm | ERR or agency of the United States any |

ÖPERATOR CHANGE WORKSHEET

008

X Change of Operator (Well Sold)

5. If NO, the operator was contacted contacted on:

1. GLH 2. CDW / 3. FILE

Designation of Agent/Operator

Operator Name Change

Merger

| The operator of the well(s) listed below has changed | l, effective: | 12-17-02 | | | | |
|---|---------------|----------------|-----------|------------|------------|----------|
| FROM: (Old Operator): | | TO: (New Op | | | | |
| EL PASO PRODUCTION OIL & GAS COMPANY | | WESTPORT O | IL & GAS | COMPANY | LP | |
| Address: 9 GREENWAY PLAZA | | Address: P O B | OX 1148 | | | |
| Address. 7 Oktobrivill 121221 | | | | | | |
| HOUSTON, TX 77064-0995 | 7 | VERNAL, UT | 84078 | | | |
| Phone: 1-(832)-676-5933 | 7 | Phone: 1-(435) | -781-7023 | | | |
| Account No. N1845 | \neg | Account No. | N2115 | | | |
| CA N | 0. | Unit: | NATURA | L BUTTES | | |
| WELL(S) | | | | | | |
| WELL(S) | SEC TWN | API NO | ENTITY | LEASE | | WELL |
| NAME | RNG | | NO | TYPE | TYPE | STATUS |
| NBU 322 | | 43-047-33203 | 2900 | STATE | GW | P |
| NBU 263 | 34-09S-21E | 43-047-32793 | 2900 | STATE | GW | P |
| NBU 439 | 34-09S-21E | 43-047-34786 | 99999 | STATE | GW | APD |
| NBU 440 | 34-09S-21E | 43-047-34785 | 99999 | STATE | GW | APD |
| CIGE 204-35-9-21 | | 43-047-32794 | | STATE | GW | P |
| NBU 310 | | 43-047-32882 | | STATE | GW | P |
| CIGE 239-35-9-21 | | 43-047-33206 | | STATE | GW | P |
| NBU CIGE 28-35-9-21 | | 43-047-30739 | 2900 | STATE | GW | P |
| NBU CIGE 54D-35-9-21 | | 43-047-30851 | 2900 | STATE | GW | P |
| NBU 69N2 | | 43-047-31090 | | STATE | GW | P |
| NBU 81V | 35-09S-21E | 43-047-31232 | 2900 | STATE | GW | P |
| CIGE 115-35-9-21 | 35-09S-21E | 43-047-31918 | 2900 | FEDERAL | GW | P |
| CIGE 133-35-9-21 | | 43-047-31978 | | STATE | GW | P |
| NBU 156 | | 43-047-32005 | | FEDERAL | GW | P |
| CIGE 283 | | 43-047-34790 | | STATE | GW | APD |
| NBU 441 | | 43-047-34791 | | STATE | GW | APD |
| NBU 442 | | 43-047-34788 | | STATE | GW | APD |
| NBU 443 | | 43-047-34789 | | STATE | GW | APD |
| NBU 33-17B | | 43-047-30396 | | FEDERAL | | P |
| NBU 48N3 | | 43-047-30538 | | FEDERAL | GW | <u>P</u> |
| OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 02/28/2003 2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 03/04/2003 | | | | | | |
| 3. The new company has been checked through the Department of Commerce, Division of Corporations Database on: 03/06/2003 | | | | | | |
| 4. Is the new operator registered in the State of Utah: | YES | _Business Nun | nber: | 1355743-01 | <u>8</u> 1 | |

| 6. (| R649-9-2)Waste Management Plan has been received on: | IN PLACE | |
|------|--|--|--|
| 7. | Federal and Indian Lease Wells: The BLM and or operator change for all wells listed on Federal or Indian | | |
| 8. | Federal and Indian Units: The BLM or BIA has approved the successor of unit open. | erator for wells listed on: | 02/27/2003 |
| 9. | Federal and Indian Communization Agreem The BLM or BIA has approved the operator for all wells | | N/A |
| 10 | Underground Injection Control ("UIC") for the enhanced/secondary recovery unit/project for the | | d UIC Form 5, Transfer of Authority to Inject, on: N/A |
| D | TA ENTRY: | | |
| 1. | Changes entered in the Oil and Gas Database on: | 03/18/2003 | |
| 2. | Changes have been entered on the Monthly Operator Ch | nange Spread Sheet on: | 03/18/2003 |
| 3. | Bond information entered in RBDMS on: | <u>N/A</u> | |
| 4. | Fee wells attached to bond in RBDMS on: | N/A | |
| ST | ATE WELL(S) BOND VERIFICATION: | | |
| 1. | State well(s) covered by Bond Number: | RLB 0005236 | |
| FF | DERAL WELL(S) BOND VERIFICATION: | | |
| 1. | Federal well(s) covered by Bond Number: | 158626364 | |
| IN | DIAN WELL(S) BOND VERIFICATION: | | |
| 1. | Indian well(s) covered by Bond Number: | RLB 0005239 | |
| FE | E WELL(S) BOND VERIFICATION: | | |
| | (R649-3-1) The NEW operator of any fee well(s) listed co | overed by Bond Number | RLB 0005238 |
| | The FORMER operator has requested a release of liability The Division sent response by letter on: | from their bond on: N/A | <u>N/A</u> |
| | CASE INTEREST OWNER NOTIFICATION (R649-2-10) The FORMER operator of the fee wells has to of their responsibility to notify all interest owners of this classical contents. | een contacted and informe | d by a letter from the Division |
| CC | MMENTS: | | |
| | | | |
| | | - 10 - 1 - 10 - 10 - 10 - 10 - 10 - 10 | |
| | | | |

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

| Name of Company: | WESTPORT OIL & | GAS CO LP |
|------------------------|-------------------------------|--------------|
| Well Name: | CIGE 283 | |
| Api No: 43-047-34 | 790 Lease Type | e: STATE |
| Section35Towns | hip 09S Range 21E | CountyUINTAH |
| Drilling Contractor | SKI DRILLING | RIG#AIR |
| Time | 04/02/03 8:00 AM ROTARY | |
| _ | ence: | |
| Reported by | JIM MURRAY | |
| Telephone # | 1-435-828-1730 | |
| Date <u>04/02/2003</u> | Signed: | CHD |

APR-03-2003 THU 12:19 PM EL PASO PRODUCTION

WELL 5 COMMENTS:

| | | 009 | | | | | | | | | |
|----------------|--|--|--------------|-----------------------|--------------|------|----------|--------|-------------|----------------------|-----------|
| STATE OF U | | | | | ESTPORT O& | | L.P. | | OPERATOR | R ACCT. NO. <u>N</u> | 2115 |
| | OIL, GAS AND I | | | ADDRESS P.O. BOX 1148 | | | | | | | |
| ENTITY | ACTION FO | RM - FORM 6 | | VER | NAL, UTAH 84 | 1078 | | | | | |
| ACTION | CURRENT | NEW | API NUMBER | WELL NAME | | | WELLLO | CATION | | SPUD | EFFECTIVE |
| CODE | ENTITY NO. | ENTITY NO. | ATTIONALIT | 77220 11 1112 | QQ | SC | TP | RG | COUNTY | DATE | DATE |
| | 99999 | 2900 | 43-047-34790 | CIGE #283 | SESE | 35 | 9S | 2lE | UINTAH | 4/2/2003 | 4/2/2003 |
| MIRU SK | OMMENTS: I AIR RIG PUD ON 4/2/03 | MARTAL | 4/4/2003 | | | | | | | | · |
| ACTION | CURRENT | NEW | API NUMBER | WELL NAME | | | WELL LO | CATION | | SPUD | EFFECTIVE |
| CODE | ENTITY NO. | ENTITY NO. | | | QQ | SC | TΡ | RG | COUNTY | DATE | DATE |
| | | | | | | | | | <u> </u> | | |
|) | OMMENTS: | I NEW | APINUMBER | WELL NAME | | | WELL I | CATION | | SPUD | EFFECTIVE |
| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | APINOMOCK | VICLE NAME | 00 | SC | TP | RG | COUNTY | DATE | DATE |
| OOBL | Danie (IV) | Little in the control of the control | | | | - 00 | <u> </u> | | 000111 | | Ditte |
| WELL 3 C | OMMENTS: | | <u> </u> | | L | | <u> </u> | | | <u> </u> | J |
| ACTION | CURRENT | NEW | API NUMBER | WELL NAME | | | WELL LO | CATION | | SPUD | EFFECTIVE |
| CODE | ENTITY NO. | ENTITY NO. | | | 00 | SC | TΡ | RG | COUNTY | DATE | DATE |
| MED 40 | O) MATAITO. | | | | | | | | | | <u> </u> |
| WELL 4 U | OMMENTS: | | | | | | | | | | |
| ACTION | CURRENT | NEW | API NUMBER | WELL NAME | | | WELLL | CATION | | SPUD | EFFECTIVE |
| CODE | ENTITY NO. | ENTITY NO. | | | QQ | SC | ΤP | RG | COUNTY | DATE | DATE |

ACTION CODES (See instructions on back of form)

- A Establish new entity for new well (single well ont
- B Add new well to existing entity (group or unit well
- C Re-assign well from one existing entity to another
- D Re-assign well from one existing entity to a new
- E Other (explain in comments section)

| NOTE: | Use COMMENT | section to explain why | each Action |
|--------|-------------|------------------------|-------------|
| (3/89) | | | |

of > Dete 7671 Post-It' Fax Note

REGULATORY ANALYST'

Phone No.

(435) 781-7024

04/03/03

RECEIVED

APR 0 3 2003

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

- LORFIDENTIAL

107

| DIVISION OF OIL, GAS AND M | IINING | 6. Lease Designation and Serial Number |
|--|------------------------------------|--|
| | | ML-22582 |
| | | 7. Indian Allottee or Tribe Name |
| SUNDRY NOTICES AND REPORTS | | |
| Do not use this form for proposals to drill new wells, deepen existing wells, or to re | | 8. Unit or Communitization Agreement |
| Use APPLICATION FOR PERMIT – for such prop | USais | NATURAL BUTTES UNIT |
| 1. Type of Well | | Well Name and Number |
| Oil Well Gas Well Other (specify) | | CIGE #283 |
| 2. Name of Operator | | 10. API Well Number |
| Westport Oil & Gas Company L.P. | 4 Talanhara Number | 43-047-34790 11. Field and Pool, or Wildcat |
| 3. Address of Operator | 4. Telephone Number (435) 781-7024 | NATURAL BUTTES |
| P.O. Box 1148 Vernal, Utah 84078 5. Location of Well | (433) 781-7024 | NATORAL BOTTLS |
| Footage : 755'FSL & 504'FEL | County : | UINTAH |
| QQ, Sec, T., R., M : SESE SECTION 35-T9S-R21E | • | UTAH |
| | · | |
| 12. CHECK APPROPRIATE BOXES TO INDICA NOTICE OF INTENT | | BSEQUENT REPORT |
| (Submit in Duplicate) | 1 | bmit Original Form Only) |
| Abandonment New Construction | Abandonment | * New Construction |
| Casing Repair Pull or Alter Casing | Casing Repair | Pull or Alter Casing |
| Change of Plans Recompletion | Change of Pla | |
| Conversion to Injection Shoot or Acidize | Conversion to | = |
| Fracture Treat Vent or Flare | Fracture Treat | |
| | X Other WELI | |
| | A Oulei WELL | ,5100 |
| Other | Date of Work Completion | 4/2/03 |
| Anarovimata Data Wark Will Start | Date of Work Completion | 472103 |
| Approximate Date Work Will Start | Report results of Multiple | Completions and Recompletions to different reservoirs |
| | | OR RECOMPLETION AND LOG form. |
| | | ied by a cement verification report. |
| 13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state a | | dates. If well is directionally drilled, give subsurface |
| locations and measured and true vertical depths for all markers and zones p | pertinent to this work.) | |
| MIRU SKI AIR RIG. SPUD 12 1/4" SURFACE HOLE TO 2 | 275'. RAN 9 5/8" 32.30# H-4 | 0 ST&C CSG. |
| CMT W/110 SX CLASS G @15.8 PPG YIELD 1.17 WATER | | |
| CELLO FLAKE DROP PLUG ON THE FLY. DISP W/17 BI | | |
| GOOD RETURNS CMT TO SURFACE CMT TO PIT HO | OLE STAYED FULL | |
| CDT TO COLUMN CO | | |
| SPUD ON 4/2/03 @ 8AM | | RECEIVED |
| | | ADD a a |
| | | APR 0 8 2003 |
| | | DIV. OF OIL, GAS & MINING |
| 14. I hereby certify that the foregoing is true and correct. | | |
| Name & Signature Sheila Upchego MUII Moo | (MLA) Title Regi | ulatory Analyst Date 04/03/03 |
| | | |
| (State Use Only) | V | |

Form 3160-5 (August 1999)

UNITED STATES DEPARTME OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Subsequent Report

Final Abandonment Notice

Do not use this form for proposals to drill or reenter an

Casing Repair

Change Plans

Convert to Injection

5. Lease Serial No.

| Μι | ıltiple | Wells - | see | attache | be |
|----|---------|---------|-----|---------|----|

| ı | | | | | |
|---|----|------------|----------|----------|------|
| | 6. | If Indian, | Allottee | or Tribe | Name |

| U 1 U abandoned wel | I. Use Form 3160-3 (APD) | for such proposal | ls. | |
|---|--------------------------|-----------------------|-----------------------|--|
| SUBMIT IN TRIPL | ICATE – Other instru | ctions on rever | se side | 7. If Unit or CA/Agreement, Name and/or No. 891008900A |
| 1. Type of Well Oil Well Gas Well 2. Name of Operator | Other | | | Well Name and No. Multiple Wells - see attached |
| WESTPORT OIL & GAS CON 3a. Address | IPANY, L.P. | 3b. Phone No. (inclu | de area code) | 9. API Well No. Multiple Wells - see attached |
| P.O. BOX 1148 VERNAL, UT 4. Location of Well (Footage, Sec., T., | | (435) 781- | | 10. Field and Pool, or Exploratory Area Natural Buttes Unit |
| Multiple Wells - see attached 95 21E 35 | 43047 | 34790 | | 11. County or Parish, State Uintah County, UT |
| 12. CHECK | APPROPRIATE BOX(ES) TO | INDICATE NATUR | E OF NOTICE, RI | EPORT, OR OTHER DATA |
| TYPE OF SUBMISSION | | 1 | TYPE OF ACTION | |
| Notice of Intent | Acidize Alter Casing | Deepen Fracture Treat | Production Reclamatio | (Start/Resume) Water Shut-Off Mell Integrity |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Plug Back

New Construction

Plug and Abandon

Recomplete

Water Disposal

Temporarily Abandon

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of oringinal volume to 98.52% when the pressure was dropped.

The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the minoral revolts owners.

| 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Title | | SEP 1 0 2003 |
|---|---|----------------------------|
| J.T. Conley | Operations Manager | |
| Signature Initials CHO Date | 9-2-2003 | DIV. OF OIL GAS & MINION - |
| THIS SPACE FOR F | EDERAL OR STATE USE | -LOS This |
| Approved by | Utah Division of Date | Action is Necessary |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office Oil, Gas and Muturg Date: 9/16/03 | |
| Title 18 U.S.C. Section 1001, make it a crime for any person knowingly at | | of the United States any |

| Westpo | ort Oil & Ga | s, L.P. | | | | _ | | | | | | | | |
|------------------------|---|--------------------|-----------------|-------------------|-----------------------|-----------------|--------------|-------------------------|-----------------|-------------------------------|------------|------------------------------|------------------------------|----------------|
| Project | Economic | s Works | <u>h</u> | | | | | | | | | | | |
| Instruction | Instructions: Fill in blue balances with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | is protected to prevent accidental atteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF | | | | | | | | | | | | | |
| Project No | ame: | Condens | ate Shrini | age Econo | mics | | | | | | | | | |
| ' | | | | | 711100 | | | | | | | | | |
| | s this job a well | pull or pro | | | N. | (Y or N) | | | | | | | | |
| ł | | | | SEFORE \$/Year | | AFTEI \$/Yea | | | ERENCE /Year | | | | | |
| | Gross Oil Rev | | | \$1,088 | | | 099 | | \$11 | 7 | | | | |
| | Gross Gas Re | | | \$0 | | | \$0 | | \$0 | | | | | |
| | PULING UNIT | | | \$0 | | | \$0 | <u> </u> | \$0 \$0 | | | | | |
| İ | WIRELINE SER | VICE | | | | | \dashv | - | \$0 | | | | | |
| ! | COMPANY L | | | | | | | | \$0 | | | | | |
| i | CONTRACT | | | \$0 | | | 200 | | \$0 \$200 | | | | | |
| | CONTR SERV | | | | | | | | \$0 | | | | | |
| | LEASE FUEL G UTILITIES - ELE | | | \$0 | | | \$0 | | \$0 | _ | | | | |
| | CHEMICAL TE | | | \$0 | | | \$0 | | \$0 \$0 | | | | | |
| | MATERIAL & S | UPPLY | | \$0 | | \$ | 150 | <u> </u> | \$150 | | | | | |
| 1 | ADMINISTRAT | | | | | | | | \$0 | 1 | | | | |
| | GAS PLANT P | | , - | | | | | - | \$0 \$0 | | | | | |
| | | Totals | | \$0 | | | 350 | <u> </u> | \$350 | | sed C | PX Per | Year | |
| 1 | Investment B | reakdown: | ! | | | | | | | | | | | |
| | B | Cap/Ex | | | | Oil Price | \$ 23. | 00 \$ /BO | | | | | | |
| [| 04-14 | Code | | Cost, \$ | | Gas Price | | 10 \$/MC | | | | | | |
| Ì | Capital \$ Expense \$ | 820/830/ 830/86 | | \$1,200 \$0 | | Electric Co | | \$ / HF 00 \$/BF | , \ qay | | | | | |
| | Total \$ | | | \$1,200 | | OPX/MCF | | 62 \$/MC | F | | | | | - |
| | Production | 4 08V D | -4-9- | | | | • | | | | | | | |
| | rioduction | & OPX D | etali; Befo | re | | After | | O Differ | ence | | | | | |
| | Oil Production | | | 0.192 B | OPD | | 94 BOPD | 7 | 0.002 | BOPD | | | | |
| | Gas Production | | | | CFPD | | 0 MCFPD | | | MCFPD | | | | |
| | Wir Production Horse Power | n | - | 0 B | WPD | | 0 8WPD | - | 0 | BWPD HP | | | | |
| | Fuel Gas Burn | ed | 1 | | CFPD | | MCFPD | - | | MCFPD | | | | |
| | | | | | | | | | | J | | | | |
| | Project Life: | | | | | | Payou | † Calcula | tion: | | | | | |
| | | | fe = | 20.0 Y | | | | | | | | | | |
| | | (Life | e no long | er than 20 y | ears) | | Payou | | | otal inve + increm | | -Venuel | 1 | |
| | internal Rate | | _ | | | | 1 | - | | | CINCH A | , , , , , , | • | |
| | After Tax | iRO | R | DIV/OI | | | | t occurs v aph belov | | | | | | t |
| | AT Cum Cash | flow: | | | | | 300 gi | | W, 71010) | AGCI2 WIN | en cust | IIOW FeC | iches zei | ro |
| | Operating Co | shflow = | | (\$2,917) (0 | Olscount | ed @ 10%) | Payou | = N | VER | Years | or 🛚 | FVALU | Days | |
| | Gross Reserve | s: | | | | | | | | | | | | |
| | Oil Reserves | | | 6 B | | | | | | | | | | |
| | Gas Reserves Gas Equiv Res | | | 0 M 38 M | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Notes/Assu | | III wall are | dua 0 | 100 Band | M A | • | | | | | | | | |
| | An average N are placed or | the lank. | he incre | ised produc | otton do | es not pay | out the valv | e cost or | the estin | <u>1 10 0.174</u> nated an | nual ma | <u>' 6 ozs o</u> zintena: | <u>f Dressur</u> nce cost | - |
| | <u> </u> | | | | | | | | | | | | | |
| | | | | Project: C | ondenso | ate Shrinka: | ge Econom | ics . | | | | | | |
| | 4.0 | | | *- | | | | | | | | | | |
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| 9 | (\$1,000) | | | ļ | ÷ | | } <u></u> | | | • | · | | | ·}} |
| AT Cumulative Cashflow | (\$1,500) | | |] | | | | | ; | | | | ! | |
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| | (\$2,500) | | | ;; ! | | | | + | | | | | | ; |
| | (\$3,000) | | | ļļ | <u></u> | | | | | | | | + | ! |
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| İ | (\$3,500) | 1 2 | 3 4 | 4 5 | : : 6 7 | - | | 44 | | 40 | | | | |
| | v | - 4 | . | | o 7 | • | | 11 12 | 13 | 14 19 | 5 16 | 17 | 18 1 | 19 20 |
| 1 | | | | | | | Project Ye | | | | | | | 1 |

Westport Oil and Gas, Inc. NBU/Ouray Field

RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

| | ish | Gas/Oil | Specific | Separator | Separator |
|------------|------------|-----------------|-----------------|-----------|-----------|
| Conditions | | Ratio | Gravity of | Volume | Volume |
| | | (scf/STbbl) | Flashed Gas | Factor | Percent |
| peig | °F | (A) | (Air=1.000) | (B) | (C) |
| Calculated | at Labora | tory Flash Cond | tion s | | |
| 80 | 70 | | | 1.019 | |
| 0 | 122 | 30.4 | 0.993 | 1.033 | 101.37% |
| 0 | 60 | 0.0 | | 1.000 | 98.14% |
| Calculated | Flash witi | h Backpressure | using Tuned EO: | S | |
| 80 | 70 | | | 1.015 | |
| 6.0 oz | 65 | 24.6 | 0.777 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 4.0 oz | 65 | 24.7 | 0.778 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | - | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 2.0 oz | 65 | 24.7 | 0.779 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 0 | 65 | 24.8 | 0.780 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | | 1.000 | 98.52% |

⁽A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

⁽B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

⁽C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume. Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

| WELL | LEGALS | STFLEASENO | CANUMBER | APINO |
|----------------------|--------------------------------|--------------------------|--------------------------|--------------------------------------|
| CIGE 258 | 19-9-21 NWSE | UTU0591 | 891008900A | 430473466700\$1 |
| CIGE 259 | 6-10-21 SWNE | UTU01791 | 891008900A | 430473436700S1 |
| CIGE 260 | 6-10-21 NENE | UTU01791 | 891008900A | 430473436800S1 |
| CIGE 261 | 7-10-21 NWSE | UTU02270A | 891008900A | 430473436900S1 |
| CIGE 262 | 7-10-21 SENE | UTU01791 | 891008900A | 430473437000S1 |
| CIGE 263 CIGE 264 | 19-10-22 SESE 19-10-21 SWSW | ML20714 | 891008900A | 430473422600S1 |
| CIGE 265 | 15-9-20 SENE | ML-22792 UTU0144868 | 891008900A | 430473422700\$1 |
| CIGE 266 | 33-9-22 NWSW | UTU01191A | 891008900A 891008900A | 430473478100S1 |
| CIGE 268 | 8-10-22 NWSE | UTU01196E | 891008900A | 430473438600S1 430473441200S1 |
| CIGE 271 | 32-9-22 SWNE | ML22649 | 891008900A | 430473479500\$1 |
| CIGE 274 | 13-9-21 NENW | UTU01193 | 891008900A | 430473477800S1 |
| CIGE 275 | 21-10-21 NENW | UTU02278 | 891008900A | 430473479900S1 |
| CIGE 276 | 21-10-21 SWNW | UTU02278 | 891008900A | 430473441700S1 |
| CIGE 277 | 21-10-21 NWNW | UTU02278 | 891008900A | 430473480000S1 |
| CIGE 278 CIGE 279 | 14-10-21 NESE | UTU01393C | 891008900A | 430473444500S1 V |
| CIGE 279 | 14-10-21 SESE 5-10-22 SWNW | UTU01393C UTU01195 | 891008900A | 430473447900S1 ✓ |
| CIGE 281 | 5-10-22 NWSW | UTU01191A | 891008900A 891008900A | 430473444300S1 / |
| CIGE 282 | 7-10-22 NENE | ML23609 | 891008900A | 430473444400S1 ✓ 430473443600S1 ✓ |
| CIGE 283 | 35-9-21 SESE | ML22582 | 891008900A | 430473479000S1 / |
| CIGE 284 | 1-10-21 SWNW | ML23612 | 891008900A | 430473479200S1 |
| CIGE 285 | 2-10-21 NENE | ML22652 | 891008900A | 430473479300S1 |
| CIGE 286 | 9-10-21 SENE | U01416 | 891008900A | 430473479700S1 |
| CIGE 287 | 9-10-21 NWSE | U01416 | 891008900A | 430473479800S1 |
| CIGE 288 | 21-9-21 NWSE | UTU0576 | 891008900A | 43047 348 42 |
| CIGE 289 CIGE 290 | 7-9-21 NWSE | UTU0575B | 891008900A | 430473486500S1 ✓ |
| CIGE 290 CIGE 291 | 10-10-21 NESE 10-10-21 NWSE | UTU0149079 UTU0149079 | 891008900A 891008900A | 430473486900S1 |
| CIGE 291 | 8-10-22 SESE | UTU01196E | 891008900A | 430473486800S1 430473487100S1 |
| CIGE 293 | 8-10-22 SWSE | UTU01196E | 891008900A | 430473483800\$1 |
| CIGE 294 | 8-10-22 NENW | UTU466 | 891008900A | 430473487000S1 |
| CIGE 295 | 14-10-22 NENW | UTU01197A-ST | 891008900A | 430473482000S1 |
| CIGE 296 | 14-10-22 NWNW | U01197A-ST | 891008900A | 430473485800S1 🗸 |
| CIGE 297 | 14-10-22 SWNW | U01197A-ST | 891008900A | 430473485700S1 ✓ |
| CIGE 298 | 9-10-22 SESW | UTU01196B | 891008900A | 430473485500S1 |
| CIGE 299 NBU 004 | 14-10-22 NWSW 23-9-21 NESE | UTU468 UTU0149075 | 891008900A | 430473485900S1 |
| NBU 006 | 24-9-21 NWSE | UTU0149076 | 891008900A 891008900A | 430473005600S1 430473008300S1 |
| NBU 015 | 26-9-21 SESW | U99070-01 | 891008900A | 430473020400\$1 |
| NBU 016 | 34-9-22 SWSE | UTU0149077 | 891008900A | 430473020900\$1 |
| NBU 018 | 10-10-22 SWNE | UTU025187 | 891008900A | 430473022100S1 |
| NBU 020 | 28-9-21 NESW | U05676 | 891008900A | 430473025000S1 |
| NBU 022 | 18-10-22 SENE | ML22973 | 891008900A | 430473025600S1 |
| NBU 023 NBU 024N2 | 19-9-22 SWNE 12-10-22 SESE | UTU0284 U01197A | 891008900A | 430473086800S1 |
| NBU 024N2 | 27-9-21 CSE | U01194A | 891008900A 891008900A | 430473053500S1 430473025200S1 |
| NBU 027 | 33-9-21 NESW | U015630 | 891008900A | 430473030400S1 |
| NBU 027A | 33-9-21 SWNE | U015630 | 891008900A | 430473039800S1 |
| NBU 028 | 13-10-21 NWSE | ML23608 | 891008900A | 430473030500S1 |
| NBU 029 | 11-10-21 NESW | UTU0149080 | 891008900A | 430473030200\$1 |
| NBU 030 | 16-10-22 SWSE | ML22653 | 891008900A | 430473030600S1 |
| NBU 031 | 11-10-22 SESW | U01197A | 891008900A | 430473030700\$1 |
| NBU 032Y NBU 033Y | 20-9-22 NWNW 18-10-21 NWNW | UTU0284 UTU02270A | 891008900A 891008900A | 430473051400S1 430473050400S1 |
| NBU 035Y | 29-9-21 NWSE | UTU0581 | 891008900A | 430473050300S1 |
| NBU 036Y | 30-9-21 SENE | UTU0581 | 891008900A | 430473060300S1 |
| NBU 037XP | 3-10-22 SESE | UTU01191A | 891008900A | 430473072400S1 |
| NBU 038N2 | 13-10-22 NWSW | U06512 | 891008900A | 430473053600S1 |
| NBU 039 | 29-10-22 SWSW | UTU0132568A | 891008900A | 430473086100S1 |
| NBU 041J | 31-9-22 NWSW | ML23607 | 891008900A | 430473122400\$1 |
| NBU 042 NBU 043 | 30-9-22 SENW 26-10-20 NWSE | U463 UTU4476 | 891008900A | 430473173500S1 |
| NBU 045N2 | 12-9-20 NWSW | UTU0144868B | 891008900A 891008900A | 430473084800S1 430473087500S1 |
| NBU 046 | 4-10-22 NWSE | UTU01191 | 891008900A | 430473057500S1 430473051300S1 |
| NBU 047N2 | 30-10-22 SESW | UTU0132568A | 891008900A | 430473053400S1 |
| NBU 048N3 | 18-9-22 SWNW | UTU0359 | 891008900A | 430473053800S1 |
| NBU 049 | 30-9-22 NWNE | U463 | 891008900A | 430473124900S1 |
| NBU 050N2 | 31-9-22 NWNW | ML23607 | 891008900A | 430473083500S1 🗸 |
| NBU 051J | 32-9-22 NWSE | ML22649 | 891008900A | 430473123400S1 / |
| NBU 052J | 30-9-22 NWSW | U463 | 891008900A | 430473085000S1 |
| NBU 053 NBU 054 | 9-9-21 SENW 32-9-22 NESW | UTU0149767 ML22649 | 891008900A 891008900A | 430473083700S1 430473089000S1 |
| NBU 056N2 | 28-9-21 NESE | U05676 | 891008900A | 430473088400S1 |
| NBU 057N3 | 27-9-21 NENW | U01,194 | 891008900A | 430473086700S1 |
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STATE OF UTAH

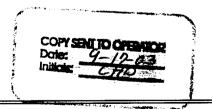
~ CONFIDENTIAL

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| DEPARTMENT OF NATURAL RESOU | RCES | |
|---|---|--|
| DIVISION OF OIL, GAS AND MININ | NG . | 6. Lease Designation and Serial Number |
| 11 | | ML-22582 |
| | | 7. Indian Allottee or Tribe Name |
| SUNDRY NOTICES AND REPORTS ON | I WELLS | |
| Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter | plugged and abandoned wells. | Unit or Communitization Agreement |
| Use APPLICATION FOR PERMIT for such proposals | | NATURAL BUTTES |
| Type of Well | | Well Name and Number |
| Oil Well Gas Well Other (specify) | | CIGE 283 |
| 2. Name of Operator | • | 10. API Well Number |
| WESTPORT OIL & GAS COMPANY, L.P. | | 43-047-34790 |
| 3. Address of Operator | 4. Telephone Number | 11. Field and Pool, or Wildcat |
| P.O. BOX 1148, VERNAL, UTAH 84078 | 435-781-7060 | NATURAL BUTTES |
| 5. Location of Well | | |
| Footage : 755' FSL 504' FEL | • | UINTAH |
| QQ, Sec, T., R., M : SESE SEC. 35-T9S-R21E | State : | UTAH |
| 12. CHECK APPROPRIATE BOXES TO INDICATE | NATURE OF NOTICE | , REPORT, OR OTHER DATA |
| NOTICE OF INTENT | * | BSEQUENT REPORT |
| (Submit in Duplicate) | (Sul | bmit Original Form Only) |
| Abandonment New Construction | Abandonment | * New Construction |
| Casing Repair Pull or Alter Casing | Casing Repair | Pull or Alter Casing |
| X Change of Plans Recompletion | Change of Pla | ns Shoot or Acidize |
| Conversion to Injection Shoot or Acidize | Conversion to | Injection Vent or Flare |
| Fracture Treat Vent or Flare | Fracture Treat | Water Shut-Off |
| Multiple Completion Water Shut-Off | Other | |
| Other | | |
| | Date of Work Completion | |
| | Date of Work Completion | |
| Approximate Date Work Will Start IMMEDIATE | Date of Work Completion | |
| Approximate Date Work Will StartIMMEDIATE | · | Completions and Recompletions to different reservoirs |
| Approximate Date Work Will Start IMMEDIATE | Report results of Multiple on WELL COMPLETION | Completions and Recompletions to different reservoirs OR RECOMPLETION AND LOG form. ied by a cement verification report. |

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

OPERATOR REQUESTS TO AMEND THE CURRENT DRILLING PROGRAM. CHANGE TD TO 9100'. AN 8 3/4" HOLE WILL BE DRILLED SO WE CAN SET 7" INTERMEDIATE CASING IF NEEDED. PLEASE REFER TO THE ATTACHED DHD REFLECTING THE CURRENT AMENDMENTS.



| | 14. | i nereby | сеппу | that the | toregoing is | s true and | correct. |
|--|-----|----------|-------|----------|--------------|------------|----------|
|--|-----|----------|-------|----------|--------------|------------|----------|

DEBRA DOMENICI >elan Omence Name & Signature

Title SR ADMIN ASSIST

09/12/03 Date

(State Use Only) APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

RECEIVED

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(8/90)

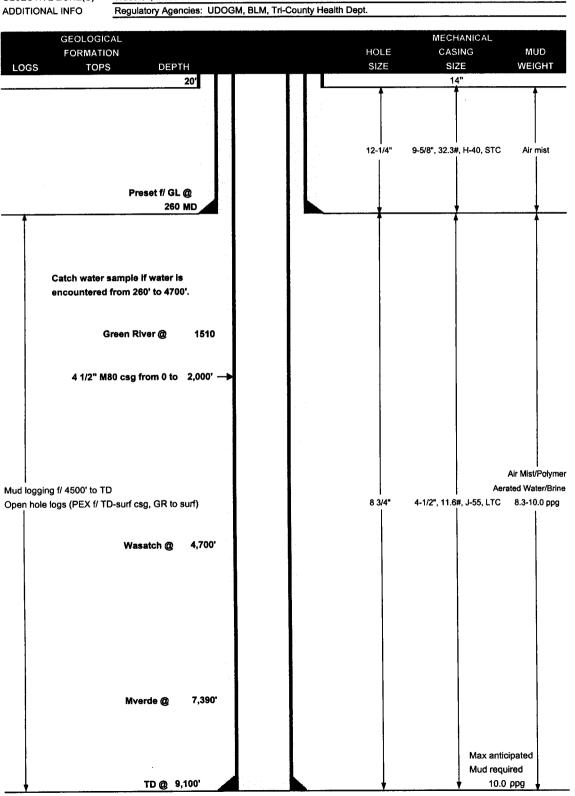
e-Instructions on Reverse Side * All previous conditions of Approval Apply

DIV. OF OIL GAS & MINING



Westport Oil and Gas Company, L.P. DRILLING PROGRAM

Westport Oil and Gas Co., L.P. DATE COMPANY NAME September 10, 2003 **CIGE 283** 9,100' MD/TVD WELL NAME Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,099' GL KB 5,114' **FIELD** SURFACE LOCATION 755' FSL, 504' FEL, SE/SE, SEC. 35, T9S, R21E Straight Hole BHL OBJECTIVE ZONE(S) Wasatch, Mesa Verde





Westport Oil and Gas Company, L.P. DRILLING PROGRAM

CASING PROGRAM

| | | | | | | | | DESIGN FACTORS | | | |
|------------|--------|------|------|------|-------|------|-------|--------------------|--------------|-----------------|--|
| | SIZE | IN' | TERV | /AL | WT. | GR. | CPLG. | BURST | COLLAPSE | TENSION | |
| CONDUCTOR | 14" | | 0-20 | • | | | | 2270 | 1370 | 254000 | |
| SURFACE | 9-5/8" | 0 | to | 260 | 32.30 | H-40 | STC | 0.83****** 7780 | | 34.66 201000 | |
| PRODUCTION | 4-1/2" | 0 | to | 2000 | 11.60 | M-80 | LTC | 2.85 5350 | 6.11 4960 | 2.18 162000 | |
| PRODUCTION | 4-1/2" | 2000 | to | 9100 | 11.60 | J-55 | LTC | 1.69 | 1.05 | 2.25 | |

¹⁾ Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

(Burst Assumptions: TD = 10.0 ppg

.22 psi/ft = gradient for partially evac wellbore

· COMPLETA

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP =

2730 psi

Burst SF is low but esg is macreationed trian formation at 2501 (Elavy Q 250) for 2270 ft 174 ppg or 9/08/pat/ft

CEMENT PROGRAM

| SURFACE |
|------------|
| |
| PRODUCTION |

| | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|------|-------------|--|-------|--------|--------|-------|
| | 260 | Class G + 2% CaCl2 + 0.25 pps celloflake | 110 | 35% | 15.80 | 1.16 |
| EAD | 4,200' | Premium Lite II + 3% KCI + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 600 | 60% | 11.00 | 3.38 |
| TAIL | 4,900' | 50/50 Poz/G + 10% salt + 2% gel | 1850 | 60% | 14.30 | 1.31 |
| | | | | | | |

^{*}Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. |
|------------|---|

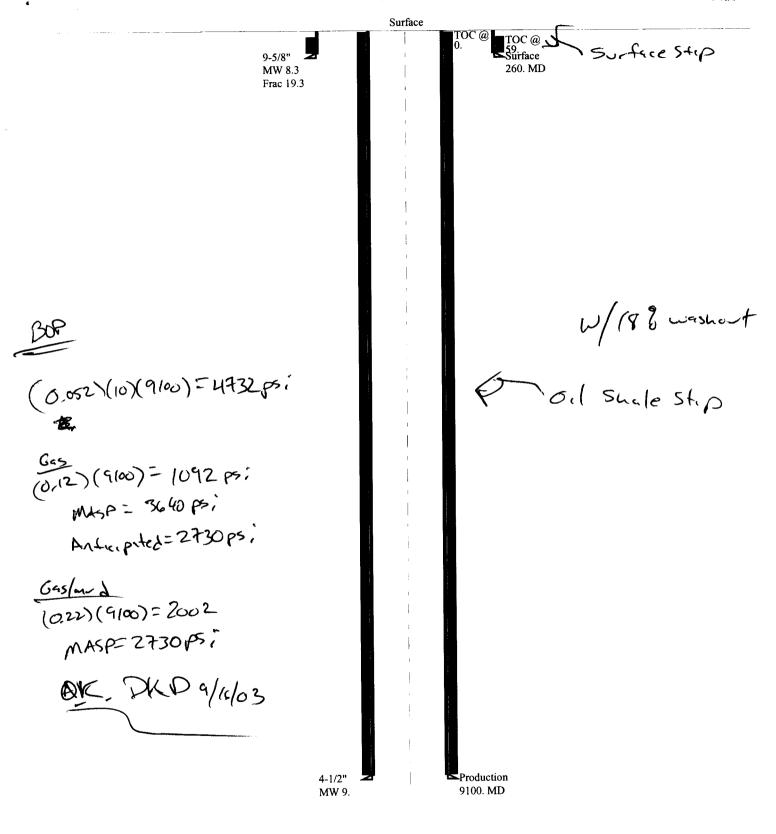
ADDITIONAL INFORMATION

| | | ular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder | | | | | | | |
|------|--|---|--|--|--|--|--|--|--|
| | tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper | | | | | | | | |
| | & lower kelly valves. | | | | | | | | |
| | Drop Totco surveys every 20 | s every 2000. Maximum allowable hole angle is 5 degrees. | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| ING | ENGINEER: | DATE: | | | | | | | |
| LING | ENGINEER: | DATE: | | | | | | | |
| | ENGINEER: SUPERINTENDENT: | | | | | | | | |

²⁾ MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

→ 09-03 Westport CIGE 283 ✓.

Casing Schematic



09-03 Westport CIGE 283rev.

Operator:

Westport Oil & Gas Company

String type:

Surface

Project ID:

43-047-34790

Location:

Uintah County

Design parameters:

Collapse

Mud weight: Design is based on evacuated pipe.

8.330 ppg

Minimum design factors: Collapse:

1.125 Design factor

Environment: H2S considered?

Surface temperature: Bottom hole temperature:

69 °F 1.40 °F/100ft Temperature gradient: Minimum section length: 200 ft

Burst:

Design factor

1.00

Cement top:

59 ft

No

65 °F

Burst

Max anticipated surface

pressure: 229 psi Internal gradient: 0.120 psi/ft 260 psi Calculated BHP

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** 1.50 (J) Premium: Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 228 ft Non-directional string.

Re subsequent strings:

Next setting depth: 9,100 ft 9.000 ppg Next mud weight: Next setting BHP: 4,255 psi Fracture mud wt: 19.250 ppg

260 ft Fracture depth: 260 psi Injection pressure

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 1 | 260 | 9.625 | 32.30 | H-40 | ST&C | 260 | 260 | 8.876 | 16.5 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
| 1 | 113 | 1370 | 12.18 | 260 | 2270 | 8.73 | 8 | 254 | 30.25 J |

Prepared

Dustin Doucet

Utah Dept. of Natural Resources

Phone: 801-538-5281 FAX: 801-359-3940

Date: September 16,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface, Oil shale

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 260 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

09-03 Westport CIGE 283rev.

Operator:

Westport Oil & Gas Company

String type:

Production

Design is based on evacuated pipe.

Project ID:

43-047-34790

Location:

Collapse

Uintah County

Minimum design factors:

Collapse:

1.125 Design factor

Environment:

H2S considered? Surface temperature: No 65 °F

192 °F 1.40 °F/100ft Bottom hole temperature: Temperature gradient:

Minimum section length:

368 ft

Burst:

Design factor

Cement top:

Surface

Burst

Max anticipated surface

pressure: internal gradient: Calculated BHP

Design parameters:

Mud weight:

0 psi 0.468 psi/ft

9.000 ppg

4,255 psi

No backup mud specified.

Tension:

1.80 (J) 8 Round STC: 1.80 (J) 8 Round LTC: 1.60 (J)

Buttress: Premium: Body yield:

1.50 (J) 1.50 (B)

1.00

Tension is based on air weight. Neutral point: 7,876 ft Non-directional string.

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) | |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|--|
| 2 | 2000 | 4.5 | 11.60 | M-80 | LT&C | 2000 | 2000 | 3.875 | 46.4 | |
| 1 | 7100 | 4.5 | 11.60 | J-55 | LT&C | 9100 | 9100 | 3.875 | 164.6 | |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor | |
| 2 | 935 | 5553 | 5.94 | 935 | 7780 | 8.32 | 106 | 267 | 2.53 B | |
| 1 | 4255 | 4960 | 1.17 | 4255 | 5350 | 1.26 | 82 | 162 | 1.97 J | |

Prepared

Dustin Doucet

Utah Dept. of Natural Resources

Phone: 801-538-5281

FAX: 801-359-3940

Date: September 16,2003

Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface Oil shale Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 9100 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

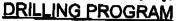
DEPARTMENT OF NATURAL RESOURCES

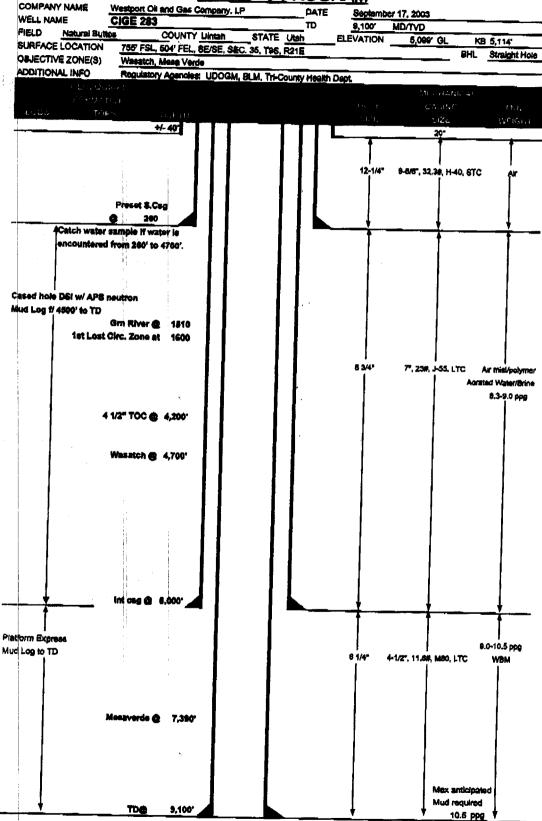
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|---|------------|--|--|--------------------------------------|--|--|--|--|
| To not the first proposed as defined wells, deepen disting wells, or to receive plaged and abendoned wells. Location of Well General Company L.P. | | SUNDRY NOT | TICES AND REPORTS O | N WELLS | MI22582 7. Indian Allottee or Tribe Name | | | |
| Type of Well Qas Other (specify) S. Well Namore of Natural Buttes Unit Well Well Other (specify) S. Well Namore of Natural Natural tural Nat | Do not us | se this form for proposals to dril | new wells, deepen existing wells, or to reent | er blugged and abendoned wells | 8. Unit or Communitization Agreement | | | |
| Great Company Great Compan | | Use APF | PLICATION FOR PERMIT — for such proposa | is | 1 | | | |
| 2. Name of Operator Westport Oil & Gas Company L.P. 3. Address of Operator Westport Oil & Gas Company L.P. 4. Telephone Number 5. State : UTAR 5. UINTAR 5. UINTAR 5. State : UTAR 5. UINTAR 5. UIN | 1. Type | of Well | | | | | | |
| 2. Name of Operator Westport Oil & Gas Company L.P. 3. Address of Operator 4. Telaphone Number 4.3-07-3790 3. Address of Operator 4. Telaphone Number 4. September Oil & Gas Company L.P. 4. Telaphone Number 5. Telaphore Number 5. Country : UINTAR 5. State : UTAH 6. State : UTAH | | X Gas | Other (specify) | | 1 | | | |
| Westport Oil & Gae Company L.P. 4. Telephone Number 43-047-34790 4. Telephone Number 43-047-44790 | | | | | | | | |
| Address of Operator O Box 1148 Vernal, Utah \$4078 1. Telephone Number (435) 781-7024 1. Field and Pool, or Widdent NATURAL BUTTES Location of Well Footage Q, Sec. T. R., M.: SBSE SECTION 35-T9S-R21B 2. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA NOTICE OF INTENT (Submit in Duplicate) Abandonment New Construction Casing Repair Change of Plans Recompletion Change of Plans Recompletion Conversion to Injection Conversion to Injection Other Multiple Completion Water Shut-Off Other Date of Work Completion CESCAISE PROPOSED OR COMPLETED OPERATIONS (Clearly size all performs dealls, and yell performent dealls, and yell perfo | | 7 | ъ | | · · · · · · · · · · · · · · · · · · · | | | |
| 2. Description of the property | | | | 4 Talestan N. I. | | | | |
| Cocation of Well Footage 755TSL & 504FEL County UINTAR QL 9en T, R, M SSSS SECTION 35-T9S-R21B State UTAH | | 1 - | 078 | <u> </u> | 1 | | | |
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| Report results of Multiple Completions and Recompletions to different reservoire on WELL, COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a carment verification report. * DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all portioner) details, and give pertinent details. If well is directionally drilled, give subsurface incustions and measured and true vertical depths for all markers and zonee pertinent to this work.) **BE OPERATOR REQUESTS TO AMEND THE APPROVED DRILLING PROGRAM TO RILL AN 8 3/4" HOLE AND SET 7" 23# J-55 LTC INTERMEDIATE CASING TO 6000". **BEASE REFER TO THE ATTACHED AMENDED DRILLING PROGRAM.** The reby certify that the foregoing is true and correct. **Besila Upchago** **Signature** Sheila Upchago** **APPROVED BY THE STATE** OF UTAH DIVISION OF Dodge. OIL, GAS, AND MINING. DATE: \$\frac{1}{1}\frac{1}{3}\$ Sae instructions on Reverse Side. DIV. OF OIL, GAS & MINING. DIV. OF OIL, GAS & MINING. | pproximate | Date Work Will Start | IMMEDIATE | - Date of Work Completion | | | | |
| Must be accomplained by a cament verification report. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent details. If well is directionally difficed, give subsurface incurring and measured and true vertical depths for all markers and zones pertinent to this work.) THE OPERATOR REQUESTS TO AMEND THE APPROVED DRILLING PROGRAM TO RILL AN 8 3/4" HOLE AND SET 7" 23# J-55 LTC INTERMEDIATE CASING TO 6000". THE ATTACHED AMENDED DRILLING PROGRAM. THE REgulatory Analyst Outs 09/18/03 THE Regulatory Analyst Outs 09/18/03 THE REgulatory Analyst Outs 09/18/03 THE OF UTAH DIVISION OF OIL, GAS, AND MINING Inition. DATE: 5//4/03 See Instructions on Reverse Side DIV. OF OIL, GAS, 8 MINING | | | | Report require of Multiple Co | Omeletings and Deservations to different | | | |
| DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all persinent details, and give perinent dates. If well is directionally drilled, give subsurface locations and missured and true vertical depths for all markers and zones pertinent to this work.) HE OPERATOR REQUESTS TO AMEND THE APPROVED DRILLING PROGRAM TO RILL AN 8 3/4" HOLE AND SET 7" 23# J-55 LTC INTERMEDIA'TE CASING TO 6000'. LEASE REFER TO THE ATTACHED AMENDED DRILLING PROGRAM. Thereby certify that the foregoing is true analysement. Sheila Upchage Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: \$1/1/03 See Instructions on Reverse Side DIV. OF OIL, GAS & MINING | | | | on WELL COMPLETION O | R RECOMPLETION AND LOG form. | | | |
| Thereby certify that the foregoing is true and sorrect Sassignature Sheila Upchago APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: 5//5/03. See Instructions on Reverse Side DIV. OF OIL, GAS, MINING | 2 DEAGON | | | * Must be accompanie | d hu a coment verification mand | | | |
| Thereby certify that the foregoing is true and sorrect Sassignature Sheila Upchago APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: 5//5/03. See Instructions on Reverse Side DIV. OF OIL, GAS, MINING | ocations | BE PROPOSED OR COMPLI Bild measured and true verile | ETED OPERATIONS (Clearly state all portions) | nent details, and give pertinent dat | tes. If well is directionally drilled, give subsurface | | | |
| Thereby certify that the foregoing is true and servect. The attached amended drilling program. The Regulatory Analyst Date 09/18/03 The Regulat | | : | - oppure to all mainers and zones parane | nt to this work.) | | | | |
| Thereby certify that the foregoing is true and servect. The attached amended drilling program. The Regulatory Analyst Date 09/18/03 The Regulat | HE OPER | LATOR REQUESTS T | O AMEND THE APPROVED D | RILLING PROGRAM TO | <u> </u> | | | |
| Thereby certify that the foregoing is true and correct. In a & Signature Sheila Upchago MUNICALING Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF Dotter. OF UTAH DIVISION OF Dotter. OIL, GAS, AND MINING Initiots CHD. SEP 1 8 2003 DIV. OF OIL, GAS & MINING INITION. | RILL AN | 8 3/4" HOLE AND S | ET 7" 23# J-55 LTC INTERMED | DIATE CASING TO 6000 | , | | | |
| Title Regulatory Analyst Oate 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: 5/19/03 See Instructions on Reverse Side BY: DIV. OF OIL, GAS & MINING DIV. OF OIL, GAS & MININ | | | | | • | | | |
| Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: \$\frac{5}{16}\frac{6}{3}\$ See instructions on Reverse Side DIV. OF OIL, GAS & MINING | LEASE R | EFER TO THE ATTA | CHED AMENDED DRILLING | PROGRAM. | | | | |
| Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: \$\frac{5}{16}\frac{6}{3}\$ See instructions on Reverse Side DIV. OF OIL, GAS & MINING | | | | | | | | |
| Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: \$\frac{5}{16}\frac{6}{3}\$ See instructions on Reverse Side DIV. OF OIL, GAS & MINING | | • . | | | | | | |
| Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: \$\frac{5}{16}\frac{6}{3}\$ See instructions on Reverse Side DIV. OF OIL, GAS & MINING | | | | | | | | |
| Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: \$\frac{5}{16}\frac{6}{3}\$ See instructions on Reverse Side DIV. OF OIL, GAS & MINING | | | | | | | | |
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| Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: \$\frac{5}{16}\frac{6}{3}\$ See instructions on Reverse Side DIV. OF OIL, GAS & MINING | | | | | | | | |
| Title Regulatory Analyst Date 09/18/03 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: \$\frac{5}{16}\frac{6}{3}\$ See instructions on Reverse Side DIV. OF OIL, GAS & MINING | I hereby | certify that the foregoing i | s true and sorrect | | | | | |
| APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING DATE: 5//5/03 See Instructions on Reverse Side DIV. OF OIL, GAS & MINING DIV. OF OIL, GAS & MINING DIV. OF OIL, GAS & MINING DIV. OF OIL, GAS & MINING DIV. OF OIL, GAS & MINING | | - | | , | í | | | |
| APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: 5/19/03 See Instructions on Reverse Side BY: DIV. OF OIL, GAS & MINING DIV. OF OIL, GAS & MINING | | | e municipality | Title Regulate | ory Analyst Date 09/18/03 | | | |
| OF UTAH DIVISION OF OIL, GAS AND MINING DATE: 5/19/03 See Instructions on Reverse Side BY: DIV. OF OIL, GAS & MILE DIV. OF OIL DIV. OF OIL DIV. OF OIL DIV. | ate Use On | · · · · · · · · · · · · · · · · · · · | | | | | | |
| OIL, GAS, AND MINING DATE: 9/19/03 See Instructions on Reverse Side BY: DIV. OF OIL, GAS & MILE DIV. OF OIL DIV. OF OIL DIV. | | | | ^ | REOF | | | |
| DATE: S/19/03 See Instructions on Reverse Side DIV. OF OIL, GAS & MIII | | | | | OFFICE TELLIVE | | | |
| BY: VAICULE DIV. OF OIL, GAS & MIL | | OIL, GAŞ, | 6160 | Inticle: | かかく (人) | | | |
| BY: VAICULE DIV. OF OIL, GAS & MIL | 90) | DATE: | 1/0 See Instructions o | n Reverse Side | 3EP 18 2003 | | | |
| 4-0.1 Shale Causena-190-5(B) | | BY: V 78 | Klut | | | | | |
| | | * Oil Shale | CauseNo- 190-5(13) | | OIL, GAS & MIN | | | |



Westport Oil and Gas Company, L.P.





RECEIVED

SEP 1 8 2003

Westport Oil and Gas Company, L.P.

| | <u> </u> | | | | | | | JET KONTACT | (A.1) | |
|--------------|----------|---|-----|-----------|-------|------|-------|---------------|----------------|------------------|
| CONDUCTOR | 20" | 7 | 2 E | () Ini | 1 | 24 | 35.00 | | A STEAM | e tusingty |
| SURPACE | 9-5/8" | | to | 260 | 32.30 | H-40 | STC | 2,270 1.53 | 1,370 11.26 | 254,000 34,66 |
| INTERMÉDIATE | 7" | 0 | to | 6,000 | 23.00 | J-65 | LTC | 4,350 1.47 | 3,270 1.16 | 313,000 2.60 |
| PRODUCTION | 4-1/2" | 0 | to | 9,100 | 11.60 | M-80 | LTC | 7780 2,62 | 6350 1,28 | 201000 2.18 |

- ax Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next cap point-(0.22 pol/th-partial evec gradient x TVD of next cap point)
- MASP (Int Casing) = Pore Pressure at Next Casing Point = (.22 pai/ft-pertial evac gradient x TVD of next cag point)

3) MASP (Prod Casing) = Pora Pressure at TD - (.22 pol/ft-partial 4vac gradient x TD) (Burst Assumptions:Max Pore Press @ Int shoe 9 ppg and 10.5 pt TD

.22 pel/ft = gradient for partially evac wellbore

(Collepse Assumption: Fully Evecuated Casing, Max MW) 2906.6

(Tension Assumptions: Air Weight of Casing Buoy. Fact. of water)

CEMENT PROGRAM

CASING PROGRAM

| SUBBAGE | FT OF FILE | 4 10 10 10 10 | SACAL | s AGI 5G | WE KIN E | | |
|----------------|---------------|--|------------|-------------|---------------|---------|--|
| SURFACE | 260 | Class G + 2% CaCl ₂ | 120 | 36% | 15,80 | 4.45 | |
| | | + 0.25 pps Celiofiaks | ' | ~~ | 19,00 | 1.16 | |
| INTERMEDIATE | 4,400 | 50/50 Poz/G + 10% salt + 2% gal | 820 | 60% | 14.30 | | |
| | | (Pump 20 bbis Floquard shead of cmit) | | 04,70 | 14,30 | 1.31 | |
| First Top Cut | 1 1 | Type II | 50 | 0% | 14.80 | 4 50 ' | |
| | '· . | Leed & follow w/ 20 gale sodium allicate | - | \ \n | 14,00 | 1.33 | |
| Second Top Out | 1,600 | Type II with 2% CaCl on the side | 250 | 35% | 14.80 | 4 50 | |
| | · [] | NOTE: Pump 820 sacks then hook up to | perform to | io iob. Pum | D 20 cale and | 1.33 | |
| | | 50 sx Type II, 20 gals sodium silicate. | WOC for 4 | hre. Then | pump second : | od lob. | |
| RODUCTION Land | 4 400 | | ì | ĺ | 1 | F 4 | |
| LONG LONG | 4,200' | Premium Life II + 3% KCI + 0.25 pps | 320 | 35% | 3.38 | 1.97 | |
| | | caliofiaka + 5 pps gilsonka + 10% gal | | 1 | | | |
| | 1 | + 0.5% extender | | 1 | i | | |
| Teil | 4,900 | E0/E4 015 + | ļ | 1 | 1 | • | |
| 7 481 | 7,000 | 50/50 Poz/G + 10% sait + 2% gel | 620 | 60% | 14.30 | 1.31 | |
| | | | J | ł | ' | • | |
| i - | or 15% over c | | | | 1 | • | |

ELOAT EQUIPMENT & CENTRALIZERS

| SU | RFACE | Guide shoe, 1 jt. insert float. Controlize first 3 joints with bow spring controlizers. Thread look guide shoe. | | | | | | | | |
|--------|--------------|---|---|--|--|--|--|--|--|--|
| INT | ERMEDIATE | Float shoe, 1 jt, float coller. Centralize first 3 joints & every third joint to top of talk cement with how spring centralizers. | | | | | | | | |
| PRODUC | POUCTION | Float shoe, 1 it, float coller. Centralize first 3 joints & every third joint to top of cement with bow spring centralizers. | | | | | | | | |
| | | | 7 | | | | | | | |
| AD | MONAL INFORM | ATION | _ | | | | | | | |

Test assing head to 750 per infor installing. Test surface casing to 1,500 per prior to drilling out.

SOPE: 11° 5M with one annutar and 2 rame. Test to 5,000 psi (annutar to 2,500 psi) prior to drilling out. Record on chart recordor & tour sheet. Function test rame on each trip. Maintain sufety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Run Totos surveys every 2000'. Meadmum ellowable hole angle is 5 degrees.

| DRIL | LING | ENGINEER | , | | |
|------|------|-----------------|-------------|-------|----------|
| DOM: | | ******* | Brad Laney | DATE: | |
| rwdf | LING | Superintendent; | Randy Bayne | DATE: | RECEIVED |

SEP 1 8 2003



Westport Oil & Gas Company, L.P.

Vernal, Utah 84078 Phone: 435-789-4433 Fax: 435-789-4436

FAX COVER SHEET

DATE:

TO:

WUYSHAK @ FAX #801)=

FROM:

_____ @ FAX # 435-789-4436

PAGES (INCLUDING COVER):

Comments: ATTACHED IS THE Sundry requesting to Set the 7" Intermediate CSg for the Cige 283. if you have any questions phase let me know

Manks, Muli Ceplego

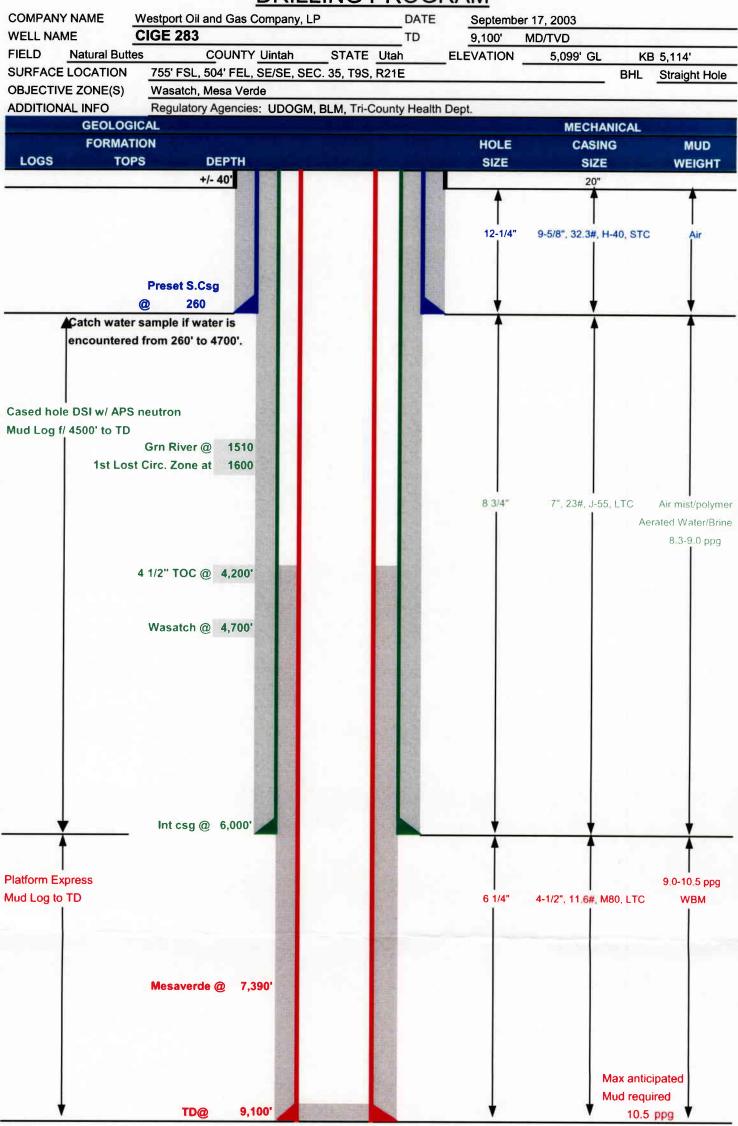
RECEIVED SEP 1 8 2003

DIV. OF OIL, GAS & MINING



CONFIDENTIAL

Westport Oil and Gas Company, L.P. DRILLING PROGRAM





Westport Oil and Gas Company, L.P.

CASING PROGRAM

| | | | | | DESIGN FACTORS | | | | | |
|--------------|--------|-------|------|--------|----------------|------|-------|-------|----------|---------|
| | SIZE | II. | ITER | VAL | WT. | GR. | CPLG. | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 20" | 0-40' | | | | | | | | |
| | | | | | | | | 2,270 | 1,370 | 254,000 |
| SURFACE | 9-5/8" | 0 | to | 260 | 32.30 | H-40 | STC | 1.53 | 11.26 | 34.66 |
| | | | | | | | | 4,360 | 3,270 | 313,000 |
| INTERMEDIATE | 7" | 0 | to | 6,000' | 23.00 | J-55 | LTC | 1.47 | 1.16 | 2.60 |
| | | | | | | | | 7780 | 6350 | 201000 |
| PRODUCTION | 4-1/2" | 0 | to | 9,100' | 11.60 | M-80 | LTC | 2.62 | 1.28 | 2.18 |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point (.22 psi/ft-partial evac gradient x TVD of next csg point)
- 3) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions:Max Pore Press @ Int shoe

9 ppg and 10.5 at TD

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP = 2966.6

CEMENT PROGRAM

| <u> </u> | FT. OF FILL | DESCRIPTION | SACKS | EXCESS* | WEIGHT | YIELD | | | |
|-----------------|-------------|---|-------|---------|--------|-------|--|--|--|
| SURFACE | 260 | Class G + 2% CaCl ₂ | 120 | 35% | 15.80 | 1.16 | | | |
| | | + 0.25 pps Celloflake | | | | | | | |
| INTERMEDIATE | 4,400' | 50/50 Poz/G + 10% salt + 2% gel | 820 | 60% | 14.30 | 1.31 | | | |
| | | (Pump 20 bbls Floguard ahead of cmt) | | | | | | | |
| First Top Out | | Type II | 50 | 0% | 14.80 | 1.33 | | | |
| | | Lead & follow w/ 20 gals sodium silicate | | | | İ | | | |
| Second Top Out | 1,600' | Type II with 2% CaCl on the side | 250 | 35% | 14.80 | 1.33 | | | |
| | | NOTE: Pump 820 sacks then hook up to perform top job. Pump 20 gals sodium silicate, | | | | | | | |
| | | 50 sx Type II, 20 gals sodium silicate. WOC for 4 hrs. Then pump second top job. | | | | | | | |
| | | | | | | | | | |
| PRODUCTION Lead | 4,200' | Premium Lite II + 3% KCI + 0.25 pps | 320 | 35% | 3.38 | 1.97 | | | |
| | | celloflake + 5 pps gilsonite + 10% gel | | | | | | | |
| | | + 0.5% extender | | | | | | | |
| | | | | | | | | | |
| Tail | 4,900' | 50/50 Poz/G + 10% salt + 2% gel | 620 | 60% | 14.30 | 1.31 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

^{*} or 15% over caliper log

FLOAT EQUIPMENT & CENTRALIZERS

| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. | |
|--------------|---|--|
| INTERMEDIATE | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. | |
| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of cement with bow spring centralizers. | |
| | | |

ADDITIONAL INFORMATION

| Test casing head to 750 psi after installing. | Test surface casing to 1,500 psi prior to drilling out. |
|---|---|
| | |

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder &

tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper

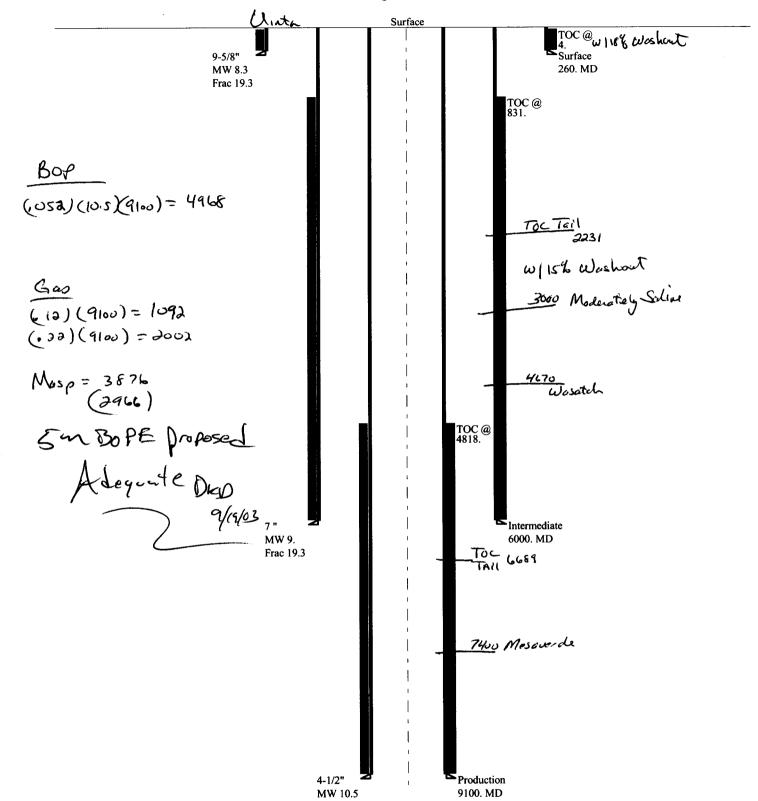
& lower kelly valves.

Run Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

| DRILLING ENGINEER: | | DATE: | |
|--------------------------|-------------|-------|--|
| | Brad Laney | | |
| DRILLING SUPERINTENDENT: | | DATE: | |
| | Randy Bayne | | |

CUMPILIENTIAL

Casing Schematic



» فقاتهن بالأنان أسر

Well name:

12-02 El Paso CIGE 283

Operator:

El Paso Production Company

String type:

Surface

Project ID:

43-047-34790

Location:

Uintah County

Minimum design factors: **Environment:**

Collapse

Mud weight:

Design parameters:

8.300 ppg

Collapse: 1.125 Design factor

H2S considered? Surface temperature: No 65 °F

Design is based on evacuated pipe.

Bottom hole temperature: Temperature gradient:

69 °F

Minimum section length:

Non-directional string.

1.40 °F/100ft 200 ft

Burst:

Design factor

8 Round LTC:

Neutral point:

1.00

Cement top:

4 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

Calculated BHP

0 psi 122 psi

0.468 psi/ft

Tension: 8 Round STC:

1.80 (J) 1.80 (J)

228 ft

1.60 (J) Buttress: 1.50 (J) Premium:

Tension is based on air weight.

Body yield: 1.50 (B) Re subsequent strings:

6,000 ft Next setting depth: Next mud weight: 9.000 ppg

Next setting BHP: Fracture mud wt:

2,805 psi 19.250 ppg 260 ft

Fracture depth: Injection pressure

260 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 1 | 260 — | 9.625 / | 32.30 | H-40 | ST&C - | 260 | 260 | 8.876 | 16.5 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
| 1 | 112 | 1370 | 12.221 | 122 | 2270 | 18.67 | 8 | 254 | 30.25 J |

Prepared

Dustin Doucet

Utah Div. of Oil & Mining

Phone: 801-538-5281 FAX: 801-359-3940

Date: September 18,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 260 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

12-02 El Paso CIGE 283

Operator:

El Paso Production Company

String type:

Intermediate

Project ID: 43-047-34790

Location:

Design parameters:

Uintah County

Environment: Minimum design factors:

1.60 (J)

1.50 (J)

Factor

1.00

Collapse Collapse: 9.000 ppg

Mud weight: Design is based on evacuated pipe. Design factor 1.125 H2S considered?

No Surface temperature: 65 °F 149 °F Bottom hole temperature:

Temperature gradient:

1.40 °F/100ft Minimum section length: 260 ft

Burst:

Design factor 1.00 Cement top:

831 ft

Burst

Max anticipated surface

pressure:

No backup mud specified.

(psi)

2805

1

3,635 psi

Internal gradient: 0.120 psi/ft Calculated BHP 4.355 psi

Tension:

1.80 (J) 8 Round STC: 1.80 (J) 8 Round LTC:

Buttress: Premium:

1.50 (B) Body yield:

Tension is based on air weight. 5,188 ft Neutral point:

Non-directional string.

Re subsequent strings: Next setting depth:

Next mud weight: Next setting BHP:

Fracture mud wt:

Injection pressure

(Kips)

313

Fracture depth:

(Kips)

138

10.000 ppg 4.727 psi 19.250 ppg 6,000 ft

6,000 psi

Factor

2.27 J

9,100 ft

Drift Nominal End True Vert Measured Internal Run Segment Depth Diameter Capacity Size Weight Grade **Finish** Depth Length Sea (ft) (ft) (in) (ft³) (lbs/ft) (ft) (in) 6000 6000 277.3 J-55 LT&C 6.25 6000 23.00 1 **Tension Tension Tension** Run Collapse Collapse Collapse **Burst** Burst **Burst** Design Design Load Strength Sea Load Strenath Design Load Strength

(psi)

4360

Prepared

Dustin Doucet

Utah Div. of Oil & Mining

(psi)

3270

Factor

1.166

(psi)

4355

Phone: 801-538-5281 FAX: 801-359-3940

Date: September 18,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 6000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

12-02 El Paso CIGE 283

Operator:

El Paso Production Company

String type:

Intermediate

Project ID:

43-047-34790

Location:

Uintah County

Environment: Minimum design factors:

Collapse

Mud weight: Design is based on evacuated pipe.

Design parameters:

9.000 ppg

Collapse: Design factor

1.125

H2S considered?

No 65 °F Surface temperature: Bottom hole temperature: 149 °F

1.40 °F/100ft Temperature gradient: Minimum section length:

260 ft

Burst:

Design factor

1.00

Cement top:

831 ft

Burst

Max anticipated surface

No backup mud specified.

pressure:

3,872 psi

Internal gradient: Calculated BHP

0.120 psi/ft 4,592 psi

Tension:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC:

1.60 (J) **Buttress:** 1.50 (J) Premium:

Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 5.188 ft Re subsequent strings:

Non-directional string.

Next setting depth: 9,100 ft Next mud weight: 10.500 ppg 4,964 psi Next setting BHP:

Fracture mud wt: Fracture depth: Injection pressure 19.250 ppg 6,000 ft 6.000 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (Ibs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|-----------------|-----------------------------------|---------------------------------------|---------------------------------------|--------------------------------|------------------------------------|-----------------------------------|----------------------------------|--------------------------------------|---------------------------------------|
| 1 | 6000 - | 7- | 23.00 | J-55 | - LT&C - | 6000 | 6000 | 6.25 | 277.3 |
| Run Seq 1 | Collapse Load (psi) 2805 | Collapse Strength (psi) 3270 | Collapse Design Factor 1.166 | Burst Load (psi) 4592 | Burst Strength (psi) 4360 | Burst Design Factor 0.95 | Tension Load (Kips) 138 | Tension Strength (Kips) 313 | Tension Design Factor 2.27 J |

Prepared

Dustin Doucet

Utah Div. of Oil & Mining

Phone: 801-538-5281

FAX: 801-359-3940

Date: September 18,2003

Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 6000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

12-02 El Paso CIGE 283

Operator:

El Paso Production Company

String type:

Production

Project ID:

43-047-34790

Location:

Uintah County

Environment: Minimum design factors:

Collapse

Mud weight: Design is based on evacuated pipe.

Design parameters:

10.500 ppg

Collapse:

1.125 Design factor

H2S considered? Surface temperature: No 65 °F

Bottom hole temperature: Temperature gradient:

192 °F 1.40 °F/100ft

Minimum section length:

368 ft

Burst:

Design factor

1.00

Cement top:

4,818 ft

Burst

Max anticipated surface

pressure: Internal gradient: 709 psi

0.468 psi/ft Calculated BHP 4,964 psi

No backup mud specified.

Tension:

1.80 (J) 8 Round STC: 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 7.672 ft Non-directional string.

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|-----------------|-----------------------------------|---------------------------------------|---------------------------------------|--------------------------------|------------------------------------|-----------------------------------|----------------------------------|--------------------------------------|---------------------------------------|
| 1 | 9100 / | 4.5 | 11.60 | M-80 | LT&C / | 9100 | 9100 | 3.875 | 210.9 |
| Run Seq 1 | Collapse Load (psi) 4964 | Collapse Strength (psi) 6350 | Collapse Design Factor 1.279 | Burst Load (psi) 4964 | Burst Strength (psi) 7780 | Burst Design Factor 1.57 | Tension Load (Kips) 106 | Tension Strength (Kips) 267 | Tension Design Factor 2.53 B |

Prepared

Dustin Doucet

Utah Div. of Oil & Mining

Phone: 801-538-5281

FAX: 801-359-3940

Date: September 18,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 9100 ft, a mud weight of 10.5 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

STÄTE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

| ~ CONFIDENT | |
|-------------|--|
|-------------|--|

OIL. GAS. AND MINING

DATE

013

6. Lease Designation and Serial Number ML-22582 7. Indian Allottee or Tribe Name **SUNDRY NOTICES AND REPORTS ON WELLS** Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. 8. Unit or Communitization Agreement Use APPLICATION FOR PERMIT -- for such proposals NATURAL BUTTES UNIT 9. Well Name and Number Type of Well Gas Well Oil Other (specify) **CIGE #283** Well 10. API Well Number Name of Operator 43-047-34790 Westport Oil & Gas Company L.P. 11. Field and Pool, or Wildcat Telephone Number Address of Operator (435) 781-7024 NATURAL BUTTES P.O. Box 1148 Vernal, Utah 84078 Location of Well County: UINTAH : 755'FSL & 504'FEL Footage : UTAH QQ, Sec, T., R., M : SESE SECTION 35-T9S-R21E State CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. SUBSEQUENT REPORT NOTICE OF INTENT (Submit Original Form Only) (Submit in Duplicate) Abandonment * **New Construction** Abandonment **New Construction Pull or Alter Casing** Casing Repair **Pull or Alter Casing** Casing Repair Shoot or Acidize Recompletion Change of Plans Change of Plans Vent or Flare Conversion to Injection Shoot or Acidize Conversion to Injection Water Shut-Off Fracture Treat Vent or Flare Fracture Treat Other Water Shut-Off Multiple Completion Other Date of Work Completion Approximate Date Work Will Start **IMMEDIATE** Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report. 13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) THE OPERATOR REQUESTS TO AMEND THE APPROVED DRILLING PROGRAM TO DRILL AN 8 3/4" HOLE AND SET 7" 23# J-55 LTC INTERMEDIATE CASING TO 6000'. PLEASE REFER TO THE ATTACHED AMENDED DRILLING PROGRAM. 14. I hereby certify that the foregoing is true and correct 09/18/03 Sheila Upcheg Name & Signature OF UTAH DIVISION OF (State Use Only)

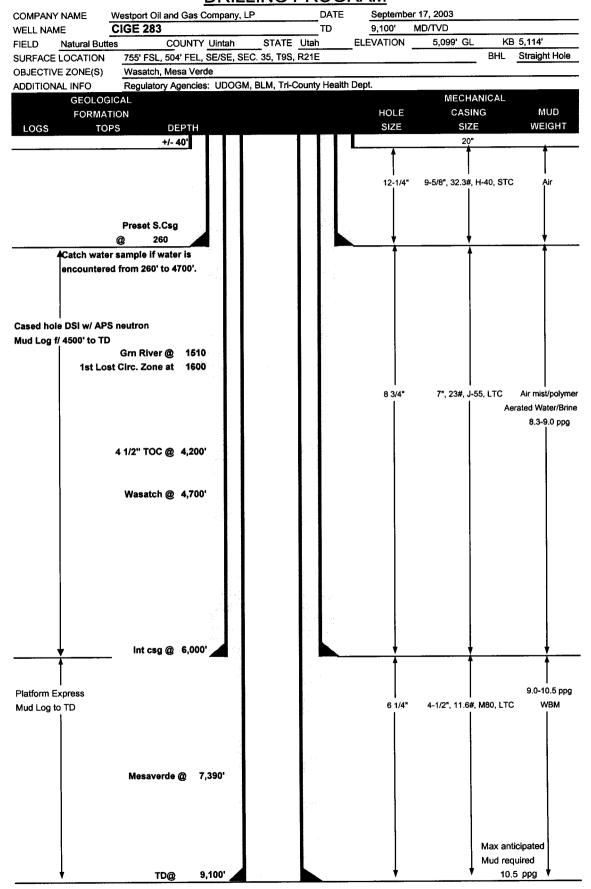
(8/90)

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COMPIDENTAL

Westport Oil and Gas Company, L.P. DRILLING PROGRAM







Westport Oil and Gas Company, L.P.

CASING PROGRAM

| | | | | | | DESIGN FACTORS | | |
|--------------|--------|--------------|-------|------|-------|----------------|----------|---------|
| | SIZE | INTERVAL | WT. | GR. | CPLG. | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 20" | 0-40' | | | | | | |
| | | | | | | 2,270 | 1,370 | 254,000 |
| SURFACE | 9-5/8" | 0 to 260 | 32.30 | H-40 | STC | 1.53 | 11.26 | 34.66 |
| | i i i | - A. J A. S. | | | | 4,360 | 3,270 | 313,000 |
| INTERMEDIATE | 7* | 0 to 6,000' | 23.00 | J-55 | LTC | 1.47 | 1.16 | 2.60 |
| | | #75 pt. | | | - 4 | 7780 | 6350 | 201000 |
| PRODUCTION | 4-1/2" | 0 to 9,100' | 11.60 | M-80 | LTC | 2.62 | 1.28 | 2.18 |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point (.22 psi/ft-partial evac gradient x TVD of next csg point)
- 3) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions:Max Pore Press @ Int shoe

9 ppg and 10.5 at TD

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP = 2966.6

CEMENT PROGRAM

| | FT. OF FILL | DESCRIPTION | SACKS | EXCESS* | WEIGHT | YIELD | ı | | |
|-----------------|-------------|---|-------|---------|--------|-------|----|--|--|
| SURFACE | 260 | Class G + 2% CaCl₂ | 120 | 35% | 15.80 | 1.16 |] | | |
| | | + 0.25 pps Celloflake | | | - | | 1 | | |
| INTERMEDIATE | 4,400' | 50/50 Poz/G + 10% salt + 2% gel | 820 | 60% | 14.30 | 1.31 | | | |
| | | (Pump 20 bbls Floguard ahead of cmt) | | | | | - | | |
| First Top Out | | Type II | 50 | 0% | 14.80 | 1.33 | ١, | | |
| | ļ | Lead & follow w/ 20 gals sodium silicate | | | | | 4 | | |
| Second Top Out | 1,600' | Type II with 2% CaCl on the side | 250 | 35% | 14.80 | 1.33 | ٦ | | |
| | | NOTE: Pump 820 sacks then hook up to perform top job. Pump 20 gals sodium silicate, | | | | | | | |
| | | 50 sx Type II, 20 gals sodium silicate. WOC for 4 hrs. Then pump second top job. | | | | | | | |
| | | | | | | | | | |
| PRODUCTION Lead | 4,200' | Premium Lite II + 3% KCl + 0.25 pps | 320 | 35% | 3.38 | 1.97 | | | |
| | Ì | celloflake + 5 pps gilsonite + 10% gel | | | * - | | 1 | | |
| | | + 0.5% extender | | | | | | | |
| | l | en en | | | 1.9 | | ļ | | |
| Tail | 4,900' | 50/50 Poz/G + 10% salt + 2% gel | 620 | 60% | 14.30 | 1.31 | | | |
| | | | | ٠. | | 1 1 | | | |
| | | | 1 | | 1 | | | | |

^{*} or 15% over caliper log

FLOAT EQUIPMENT & CENTRALIZERS

| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. |
|--------------|---|
| INTERMEDIATE | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. |
| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of cement with bow spring centralizers. |
| | |

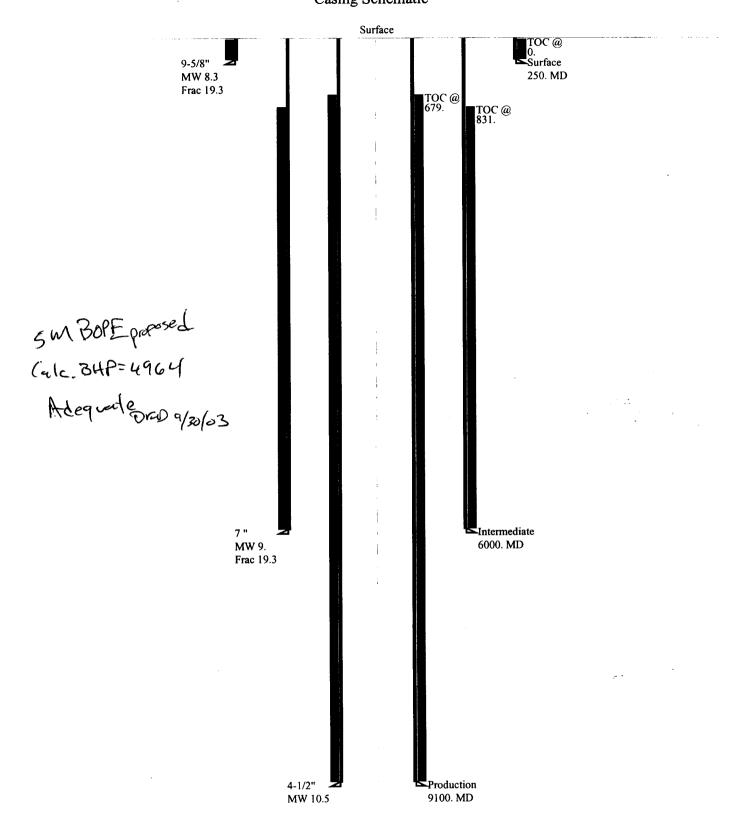
ADDITIONAL INFORMATION

| Test casing flead to 750 psi after installing. Test surface casing to 1,550 psi prior to driving out. |
|--|
| BOPE: 11*5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & |
| tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper |
| & lower kelly valves. |
| |

| Run Totco surveys every 2000'. | Maximum allowal | ble ho | ole angl | e is | 5 | degrees |
|--------------------------------|-----------------|--------|----------|------|---|---------|
|--------------------------------|-----------------|--------|----------|------|---|---------|

| DRILLING ENGINEER: | | DATE: |
|--------------------------|-------------|-------|
| | Brad Laney | |
| DRILLING SUPERINTENDENT: | | DATE: |
| | Randy Bayne | |

09-03 Westport CIGE 28: v. Casing Schematic



09-03 Westport CIGE 283rev.

Operator:

Westport Oil and Gas Company

String type:

Intermediate

Project ID:

43-047-34790

Location:

Uintah County

Minimum design factors: **Environment:**

Collapse

Mud weight:

Design parameters:

9.000 ppg Design is based on evacuated pipe.

Coliapse:

1.125 Design factor

H2S considered? Surface temperature: Bottom hole temperature:

No 65 °F 149 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

1.60 (J)

1.50 (J)

1.50 (B)

Cement top:

831 ft

Burst

Max anticipated surface

3,635 psi pressure: 0.120 psi/ft Internal gradient: Calculated BHP 4,355 psi

No backup mud specified.

Tension:

8 Round STC: 8 Round LTC: **Buttress:**

Premium: Body yield:

Tension is based on air weight. 5,188 ft Neutral point:

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

9,100 ft 10.000 ppg Next setting BHP: 4,727 psi Fracture mud wt: 19.250 ppg 6,000 ft Fracture depth: 6,000 psi Injection pressure

Nominal End True Vert Measured Drift Internal Run Segment Depth Diameter Capacity **Finish** Depth Length Weight Grade Size Sea (in) (ft³) (ft) (ft) (ft) (in) (lbs/ft) 6000 6000 6.25 277.3 7 23.00 J-55 LT&C 6000 1 Tension **Tension Tension Burst** Collapse **Burst Burst** Run Collapse Collapse Strenath Design Design Load Load Strength Design Load Strength Seq **Factor** (psi) **Factor** (Kips) (Kips) **Factor** (psi) (psi) (psi) 313 2.27 J 138 4355 4360 1.00 2805 3270 1.17 1

Prepared

Dustin Doucet

Utah Dept. of Natural Resources

Phone: 801-538-5281

FAX: 801-359-3940

Date: September 30,2003 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 6000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

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6. Lease Designation and Serial Number DIVISION OF OIL. GAS AND MINING ML-22582 7. Indian Allottee or Tribe Name SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. 8. Unit or Communitization Agreement Use APPLICATION FOR PERMIT -- for such proposals NATURAL BUTTES UNIT 9. Well Name and Number Type of Well Gas Oil Other (specify) **CIGE #283** Well 10. API Well Number Name of Operator 43-047-34790 Westport Oil & Gas Company L.P. 11. Field and Pool, or Wildcat Telephone Number Address of Operator NATURAL BUTTES (435) 781-7024 P.O. Box 1148 Vernal, Utah 84078 Location of Well County: UINTAH : 755'FSL & 504'FEL Footage : UTAH QQ, Sec, T., R., M : SESE SECTION 35-T9S-R21E State CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. SUBSEQUENT REPORT NOTICE OF INTENT (Submit Original Form Only) (Submit in Duplicate) **New Construction** Abandonment * Abandonment **New Construction** Casing Repair Pull or Alter Casing Pull or Alter Casing Casing Repair Shoot or Acidize Recompletion Change of Plans Change of Plans Vent or Flare Shoot or Acidize Conversion to Injection Conversion to Injection Water Shut-Off Fracture Treat Vent or Flare Fracture Treat Other SET INTERMEDIATE CSG Water Shut-Off Multiple Completion Other Date of Work Completion 9/23/03 Approximate Date Work Will Start Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report. 13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) Set 7" 23# J-55 INTERMEDIATE CSG TO 5970'. CMT W/820 SX 50/50 POZ + ADDS; 50 SX PREM LITE II + 2% CACL2 10 BBLS FLOW GUARD. PMP H2O SPACER 250 SX PREM LITE II + 2% CACL2. **RECEIVED** NO RETURNS TO SURFACE OCT 0 1 2003 DIV. OF OIL, GAS & MINING 14. I hereby certify that the foregoing is true and correct Title Regulatory Analyst 09/23/03 Sheila Upchego Name & Signature (State Use Only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

015

6. Lease Designation and Serial Number ML-22582 7. Indian Allottee or Tribe Name SUNDRY NOTICES AND REPORTS ON WELLS 8. Unit or Communitization Agreement Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals NATURAL BUTTES UNIT Type of Well 9. Well Name and Number Gas Well Oil XOther (specify) **CIGE 283** Well 10. API Well Number Name of Operator WESTPORT OIL & GAS COMPANY, L.P. 43-047-34790 11. Field and Pool, or Wildcat Telephone Number Address of Operator (435)781-7060 NATURAL BUTTES P.O. BOX 1148, VERNAL, UTAH 84078 Location of Well : 755' FSL 504' FEL County: UINTAH Footage QQ, Sec, T., R., M : SESE SECTION 35-T9S-R21E State : UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. NOTICE OF INTENT SUBSEQUENT REPORT (Submit Original Form Only) (Submit in Duplicate) New Construction Abandonment **New Construction** Abandonment * Casing Repair Pull or Alter Casing Casing Repair Pull or Alter Casing Change of Plans Recompletion Change of Plans Shoot or Acidize Conversion to Injection Vent or Flare Conversion to Injection Shoot or Acidize Water Shut-Off Vent or Flare Fracture Treat Fracture Treat Other DRILLING OPERATIONS Multiple Completion Water Shut-Off Other Date of Work Completion 10/10/03 Approximate Date Work Will Start Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report. 13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) RAN 222 JTS 4 1/2" 11.6# M-80 LT&C CSG. SHOE AT 9565'. CIRC CSG. PUMP 10 BBLS FW AHEAD OF 20 SKS SCAVENGER CMT AT 9.5 PPG FOLLOWED BY 140 SKS PLII + 3% KCL + 1/4# SKCF + 5# SKS + 10% GEL + 5% SM + 0.5# SKSF AT 11.0 PPG. TAIL IN W/ 770 SKS 50/50 POZ + 10% SALT + 2% GEL + 0.5# SKSF AT 14.3 PPG. WASH LINES TO PIT. DROP PLUG & DISP W/ 148 BBLS FW W/ MAGNACIDE 575. BUMP PLUG TO 3430 PSI. 630 PSI OVER FCP OF 2800 PSI. CK FLOATS, HOLDING OKAY. CIRC 10 BBLS OF SCAVENGER RECEIVED CMT TO SURFACE. RECIPROCATE CSG. RIG RELEASED AT 06:00 10/10/03. **NCT 2 8 2003** DIV. OF OIL, GAS & MINING 14. I hereby certify that the foregoing is true and correct. DEBRA DOMENICI 10/13/03 Title SR ADMIN ASSIST Date Name & Signature Domenic (State Use Only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES.

CONFIDENTIAL

| 016 | DIVISION |
|-----|----------|
| | |

| DEI ARTIMENT OF MATORICE RECOO | 1020 | |
|--|--|---|
| 0 1 6 DIVISION OF OIL, GAS AND MININ | IG 6. Le | ease Designation and Serial Number |
| U 1 U | | ML-22582 |
| | | dian Allottee or Tribe Name |
| SUNDRY NOTICES AND REPORTS ON | - | |
| Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter Use APPLICATION FOR PERMIT for such proposals | | nit or Communitization Agreement |
| · · · · · · · · · · · · · · · · · · · | | NATURAL BUTTES UNIT |
| 1. Type of Well | 9. W | ell Name and Number |
| Oil Well A Gas Well Other (specify) | | CIGE 283 |
| 2. Name of Operator | 10. A | PI Well Number |
| WESTPORT OIL & GAS COMPANY, L.P. | | 43-047-34790 |
| 3. Address of Operator | · · · · · · · · · · · · · · · · · · · | ield and Pool, or Wildcat |
| P.O. BOX 1148, VERNAL, UTAH 84078 | (435)781-7060 | NATURAL BUTTES |
| 5. Location of Well | | . *** |
| Footage : 755' FSL 504' FEL | County : UINT | |
| QQ, Sec, T., R., M : SESE SECTION 35-T9S-R21E | State : UTAH | ************************************** |
| 12. CHECK APPROPRIATE BOXES TO INDICATE | · · · · · · · · · · · · · · · · · · · | |
| NOTICE OF INTENT | | ENT REPORT |
| (Submit in Duplicate) | (Submit Ong | ginal Form Only) |
| Abandonment New Construction | Abandonment * | New Construction |
| Casing Repair Pull or Alter Casing | Casing Repair | Pull or Alter Casing |
| Change of Plans Recompletion | X Change of Plans | Shoot or Acidize |
| Conversion to Injection Shoot or Acidize | Conversion to Injection | Vent or Flare |
| Fracture Treat Vent or Flare | Fracture Treat | Water Shut-Off |
| Multiple Completion Water Shut-Off | Other | |
| Other | | |
| | Date of Work Completion 10/9/0 | 3 |
| Approximate Date Work Will Start | | |
| | • | ons and Recompletions to different reservoirs |
| | on WELL COMPLETION OR RECO * Must be accompanied by a | |
| 13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all perti | | |
| locations and measured and true vertical depths for all markers and zones pertine | nt to this work.) | |
| OPERATOR REQUESTS TO AMEND THE CURRENT DRILLI | | |
| PLEASE REFER TO THE ATTACHED DHD REFLECTING TH | | 3. |
| VERBAL APPROVAL RECEIVED FROM BRAD HILL ON 10/9 | 9/03. | |
| | | |
| | | |
| App. | oved by the | RECEIVED |

COPY SENT TO OPERATOR Dale:

Utah Division of Oil, Gas and Mining

OCT 2 8 2003

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

DEBRA DOMENICI Name & Signature

Title SR ADMIN ASSIST

Date

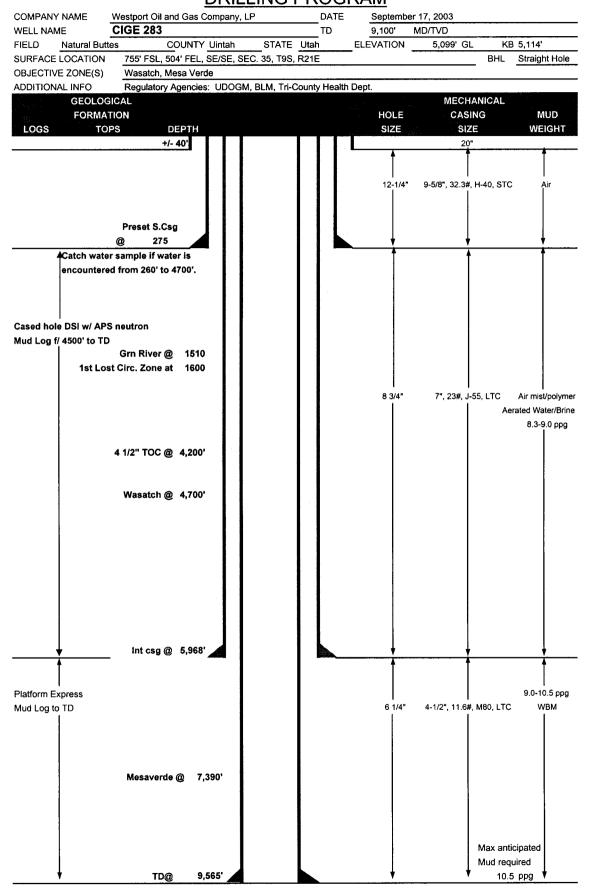
10/13/03

(State Use Only)



CONFIDENTIAL

Westport Oil and Gas Company, L.P. DRILLING PROGRAM







Westport Oil and Gas Company, L.P.

CASING PROGRAM

| | | | | | | | | DESIGN FACTORS | | |
|--------------|--------|-------|----------|--------|-------|------|-------|----------------|----------|---------|
| | SIZE | IN | INTERVAL | | WT. | GR. | CPLG. | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 20" | 0-40' | | | | | | | | |
| | | | | | | | | 2,270 | 1,370 | 254,000 |
| SURFACE | 9-5/8" | 0 | to | 275 | 32.30 | H-40 | STC | 1.53 | 10.64 | 32.77 |
| | | | | | | | | 4,360 | 3,270 | 313,000 |
| INTERMEDIATE | 7" | 0 | to | 5,968' | 23.00 | J-55 | LTC | 1.47 | 1.17 | 2.61 |
| | | | | | | | | 7780 | 6350 | 201000 |
| PRODUCTION | 4-1/2" | 0 | to | 9,565' | 11.60 | M-80 | LTC | 2.62 | 1.28 | 2.18 |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point (.22 psi/ft-partial evac gradient x TVD of next csg point)
- 3) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions:Max Pore Press @ Int shoe 9 ppg and 10.5 at TD

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

2966.6 MASP =

CEMENT PROGRAM

| CEMENT PROGRAM | | | | | | |
|-----------------|-------------|--|------------|-------------|----------------|---------------|
| | FT. OF FILL | DESCRIPTION | SACKS | EXCESS* | WEIGHT | YIELD |
| SURFACE | 275 | Class G + 2% CaCl ₂ | 120 | 35% | 15.80 | 1.16 |
| | | + 0.25 pps Celloflake | | | | |
| INTERMEDIATE | 4,368' | 50/50 Poz/G + 10% salt + 2% gel | 810 | 60% | 14.30 | 1.31 |
| | | (Pump 20 bbls Floguard ahead of cmt) | | | | |
| First Top Ou | t | Type II | 50 | 0% | 14.80 | 1.33 |
| | | Lead & follow w/ 20 gals sodium silicate | | | | |
| Second Top Out | 1,600' | Type II with 2% CaCl on the side | 250 | 35% | 14.80 | 1.33 |
| | | NOTE: Pump 820 sacks then hook up to | perform to | opjob. Pum | np 20 gals sod | ium silicate, |
| | | 50 sx Type II, 20 gals sodium silicate. | WOC for | 4 hrs. Then | pump second | top job. |
| | | | | | | |
| PRODUCTION Lead | 4,200' | Premium Lite II + 3% KCI + 0.25 pps | 320 | 35% | 3.38 | 1.97 |
| | | celloflake + 5 pps gilsonite + 10% gel | | | | |
| | | + 0.5% extender | | | | |
| | | | | | | |
| Tail | 4,900' | 50/50 Poz/G + 10% salt + 2% gel | 620 | 60% | 14.30 | 1.31 |
| | | | | | | |
| | | | | | | |

^{*} or 15% over caliper log

FLOAT EQUIPMENT & CENTRALIZERS

| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. |
|--------------|---|
| INTERMEDIATE | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. |
| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of cement with bow spring centralizers. |
| | |

ADDITIONAL INFORMATION

| Test casing head to 750 psi after installing | . Test surface casing to 1,500 psi prior to drilling out. |
|--|---|
|--|---|

BOPE: 11*5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Run Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

| DRILLING ENGINEER: | | DATE: | |
|--------------------------|-------------|----------|--|
| | Brad Laney | | |
| DRILLING SUPERINTENDENT: | | DATE: | |
| | Randy Bayne | <u> </u> | |

STATE OF UTAH



| 71 OIIII S | | NT OF NATURAL RESOL | IRCES | OOM IDLITIME | | | |
|------------|--|--|---------------------------------------|---|--|--|--|
| | DIVISIO | N OF OIL, GAS AND MINI | | 6. Lease Designation and Serial Number | | | |
| 417 | , Division | 101 012, 0/10/1112 1111111 | | ML-22582 | | | |
| | | | | 7. Indian Allottee or Tribe Name | | | |
| | SUNDRY NOTICE | S AND REPORTS OF | N WELLS | | | | |
| Dor | not use this form for proposals to drill new w | ells, deepen existing wells, or to reenter | plugged and abandoned wells. | 8. Unit or Communitization Agreement | | | |
| | Use APPLICATI | ON FOR PERMIT for such proposals | i e | NATURAL BUTTES UNIT | | | |
| 1. T | ype of Well | | | 9. Well Name and Number | | | |
| | Oil X Gas Well Well | Other (specify) | | CIGE 283 | | | |
| 2. N | lame of Operator | | | 10. API Well Number | | | |
| WES | TPORT OIL & GAS COMPAN | Y, L.P. | | 43-047-34790 | | | |
| 3. A | Address of Operator | | 4. Telephone Number | 11. Field and Pool, or Wildcat | | | |
| P.O. 1 | BOX 1148, VERNAL, UTAH 8 | 4078 | (435)781-7060 | NATURAL BUTTES | | | |
| 5. L | ocation of Well | | | | | | |
| F | Footage : 755' FSL 5 | | • | UINTAH | | | |
| c | QQ, Sec, T., R., M : SESE SEC | TION 35-T9S-R21E | State : | UTAH | | | |
| 12. | CHECK APPROPRIA | TE BOXES TO INDICATE | NATURE OF NOTICE | , REPORT, OR OTHER DATA | | | |
| | NOTICE OF IN | NTENT | | SUBSEQUENT REPORT | | | |
| | (Submit in Dup | licate) | (Sul | bmit Original Form Only) | | | |
| | Abandonment | New Construction | Abandonment | * New Construction | | | |
| 一 | Casing Repair | Pull or Alter Casing | Casing Repair | Pull or Alter Casing | | | |
| 一 | Change of Plans | Recompletion | Change of Pla | ns Shoot or Acidize | | | |
| | Conversion to Injection | Shoot or Acidize | Conversion to | | | | |
| H | · · · · · · | Vent or Flare | Fracture Treat | | | | |
| | Fracture Treat | | | | | | |
| | Multiple Completion | Water Shut-Off | X Other PROD | UCTION START-UP | | | |
| | Other | | | 10/01/00 | | | |
| | | | Date of Work Completion 10/31/03 | | | | |
| Appro | ximate Date Work Will Start | | | | | | |
| | | | 1 ' | Completions and Recompletions to different reservoirs OR RECOMPLETION AND LOG form. | | | |
| | | | · · | ied by a cement verification report. | | | |
| 13. D | ESCRIBE PROPOSED OR COMPLETE | D OPERATIONS (Clearly state all per | tinent details, and give pertinent of | dates. If well is directionally drilled, give subsurface | | | |
| lo | ocations and measured and true vertical d | epths for all markers and zones pertin | ent to this work.) | | | | |
| | SUBJECT WELL WAS PLACE | | | | | | |
| THE | ATTACHED CHRONOLOGIC | CAL DRILLING AND COM | PLETION HISTORY RE | PORT. | | | |
| | | | | | | | |
| | | | | RECEIVED NOV 1 0 2003 DIV. OF OIL, GAS & MINING | | | |
| | | | | PIO | | | |
| | | | | NOV 1 / 2000 | | | |
| | | | | DIV OF 0 | | | |
| | | | | - V. OF OIL, GAS & MINING | | | |
| | | | | ·····AIMG | | | |
| | | | | | | | |

| 14. I hereby certify | that the foregoing is true and correct. | | | | | |
|----------------------|---|----------|-------|-----------------|--------|----------|
| Name & Signature | DEBRA DOMENICI | womenica | Title | SR ADMIN ASSIST | Date _ | 11/05/03 |

(State Use Only)

WESTPORT OIL & GAS COMPANY, LP PRODUCTION REPORT

CHRONOLOGICAL HISTORY

CIGE 283

UINTAH COUNTY, UT

| DRILLING REPORT: | WI: 100% SE/SE 35-9S-21 | AFE: E | | AFE M\$: 638 satch/Mesa Verde | ATD: 8,300' | | |
|------------------|---|------------------|---------------|----------------------------------|------------------------------|--|--|
| 3/31/03 | Building locatio | n. 100% | complete. | | | | |
| 4/1/03 | Building locatio | n. 100% | complete. | | | | |
| 4/2/03 | Building location. 100% complete. | | | | | | |
| 4/3/03 | Spudded @ 0800 hrs 4/2/03. Drilled 12 ¼" hole to 280'. Ran 9 5/8" csg. Cmt w/BJ, circ to surf. Hole stayed full. BLM & UDOGM notified, no witnesses. WORT. <u>Drop from report</u> until rotary spud. | | | | | | |
| 5/15/03 | SPUD 4/02/03 | Surface 9 5/8" (| | Activity | Status WORT Caza 83 or 61 | | |
| 5/16/03 | 4/02/03 | 9 5/8" (| @ 275' | | WORT Caza 83 or 61 | | |
| 5/19/03 | 4/02/03 | 9 5/8" (| <u>@</u> 275' | | WORT Caza 83 or 61 | | |
| 5/20/03 | 4/02/03 | 9 5/8" (| @ 275' | | WORT Caza 83 or 61 | | |
| 5/21/03 | 4/02/03 | 9 5/8" (| @ 275' | | WORT Caza 83 or 61 | | |
| 5/22/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 5/23/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 5/27/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 5/28/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 5/29/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 5/30/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 6/2/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 6/3/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 6/4/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| 6/5/03 | 4/02/03 | 9 5/8" | @ 275' | | WORT Caza 83 or 61 | | |
| | | | | | | | |

9 5/8" @ 275'

4/02/03

6/6/03

WORT Caza 83 or 61

| 6/9/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
|---------|---------|----------------|----------|--------------------|
| 6/10/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/11/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/12/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| | CDLID | Saufa a Carina | A | Status |
| | SPUD | Surface Casing | Activity | |
| 6/13/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/16/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/17/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/18/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/19/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/20/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/23/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/24/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/25/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/26/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/27/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 6/30/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/1/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/2/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/3/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/7/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/8/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/9/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/10/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/11/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/14/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/15/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| 7/16/03 | 4/02/03 | 9 5/8" @ 275' | | WORT Caza 83 or 61 |
| | | | | |

| 7/17/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
|---------|---------|---------------|--------------------|
| 7/18/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/21/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/22/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/23/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/24/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/25/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/28/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/29/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/30/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 7/31/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/1/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/4/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/5/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/6/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/7/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/8/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/11/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/12/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/13/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/14/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/15/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/18/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/19/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/20/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/21/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/22/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |

| 8/23/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
|---------|--|---|--------------------------------------|
| 8/25/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/26/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/27/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 6 |
| 8/28/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 8/29/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 9/2/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 9/3/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 9/4/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 9/5/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 9/8/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 83 or 61 |
| 9/9/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 81 |
| 9/10/03 | 4/02/03 | 9 5/8" @ 275' | WORT Caza 81 |
| 9/12/03 | TD: 275' MOBE Caza 81 | Csg. 9 5/8"@ 275' MW:8.3 5 from Bonanza 4-6 to CIGE 283. Set subs | SD:x/xx/03 DSS:0 structure. SDFN. |
| 9/15/03 | | Csg. 9 5/8"@ 275' MW:8.4 S 81. NU and test BOPE. Rotary Spud 9/1 plugged bit. Drlg ahead @ 1570 at report | - |
| 9/16/03 | TD: 2410' Drlg from 1570' | Csg. 9 5/8"@ 275' MW:8.4 ?-2410. DA at report time. | SD:9/14/03 DSS:3 |
| 9/17/03 | TD: 3340' Drlg from 2410- DA at report tir | Csg. 9 5/8"@ 275' MW:8.4SD:9/1 -2544'. Hole would not circulate. Drlg to ne. | |
| 9/18/03 | TD: 4160' Drlg from 3340 | Csg. 9 5/8"@ 275' MW:8.4 SD:9/1 '-4160' w/Aerated Water. DA at report ti | |
| 9/19/03 | TD: 4750' Drlg from 4160 | Csg. 9 5/8" @ 275' MW:8.4 SD:9/1 '-4690'. TFNB. Drlg to 4750' w/Aerated | |
| 9/22/03 | TD: 6000' Drlg from 4750 | Csg. 9 5/8"@ 275' MW:8.4SD:9/1 '-6000'. LDDP to prep for intermediate c | |
| 9/23/03 | TD: 6000' LDDP. Ran 7" report time. | Csg. 7" @ 6000' MW:9.4 SD:9/1 23# and set at 5970'. Cmt w/ a total of 11 | |

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| 9/24/03 | TD: 6400' Csg. 7" @ 6000' MW:8.4 SD:9/14/03 DSS:11 Finished BOPE test. PU slim hole 3 1/2 DP. Drilled f/ 6000'-6400'. DA at report time. |
|----------|---|
| 9/25/03 | TD: 6980' Csg. 7" @ 6000' MW:8.4 SD:9/14/03 DSS:12 Drilled from 6400'-6980'. DA at report time. |
| 9/26/03 | TD: 7500' Csg. 7" @ 6000' MW:8.5 SD:9/14/03 DSS:13 Drilled from 6980'-7500'. DA at report time. |
| 9/29/03 | TD: 8100' Csg. 7" @ 5968' MW:9.1 SD:9/14/03 DSS:16 Drilled from 7500'-7779'. TFNB. TIH and drill f/ 7779'-8100'. DA at report time. |
| 9/30/03 | TD: 8300' Csg. 7" @ 5968' MW:9.5 SD:9/14/03 DSS:17 Drilled from 8100'-8151. Work on pumps. Drlg to 8300'. DA at report time. |
| 10/1/03 | TD: 8385' Csg. 7" @ 5968' MW:9.5 SD:9/14/03 DSS:18 Drilled from 8300'-8323'. Work on Pumps. Drlg to 8385'. TFNB. |
| 10/2/03 | TD:8590' Csg. 7" @ 5968' MW:9.7 SD:9/14/03 DSS:19 Finish TFNB. Drilled f/8385'-8590'. DA. |
| 10/3/03 | TD:8800' Csg. 7" @ 5968' MW:9.9SD:9/14/03 DSS:20 Drlg from 8590'-8676'. Circulate out Gas kick. Drlg to 8800' going thru gas buster, 10' flare. DA. |
| 10/6/03 | TD:9282' Csg. 7" @ 5968' MW:10.3 SD:9/14/03 DSS:23 Drlg from 8800'-9102'. TFNB. Drlg to 9282'. DA. |
| 10/7/03 | TD: 9473' Csg. 7" @ 5968' MW:10.7 SD:9/14/03 DSS:24 Drlg from 9282'-9473'. DA. |
| 10/8/03 | TD:9565' Csg. 7" @ 5968' MW:10.7 SD:9/14/03 DSS:25 Drlg from 9473'-9565' TD. CCH. Make wiper trip to 9 5/8" casing shoe. CCH for logs. Pump slug and POOH for OH logs. |
| 10/9/03 | TD:9565' Csg. 7" @ 5968' MW:11.6 SD:9/14/03 DSS:26 Run OH logs. TIH. Circulate and condition hole for casing. POOH laying down drill string. |
| 10/10/03 | TD:9565' Csg. 4 1/2"@ 9565' MW:11.6 SD:9/14/03 DSS:27 Finish POOH laying down drill string. Run and Cement 4 ½" Production Casing @ 9565'. ND and set slips. Release rig @ 0600 hrs. 10/10/03. Will move to NBU 421. |
| 10/24/03 | HELD SAFETY MEETING. ROAD RIG & EQUIP FROM NBU 472 TO LOC. MIRU. NDWH. NU 10K BOP. TALLY 2 3/8" J-55 8RD TBG. PU 3 7/8" SMITH BIT & BIT SUB. RIH. PU TBG OFF TRAILER. TAG PBTD @ 9492'. RU DRILL EQUIP. PU PWR SWVL. PREP TO DRILL IN AM. 6:00 PM SDFN. |
| 10/27/03 | HELD SAFETY MEETING. BRK REV CIRC & BEGIN TO DRILL. DRILL 35' ABV FLOAT COLLAR, CMT. DRILL UP FLOAT COLLAR & 23' BELOW FLOAT COLLAR TO PBTD @ 9550'. CIRC HOLE CLEAN W/50 BBLS 2% KCL. POOH. LD BIT. MIRU CUTTERS. PU 3 3/8" PERF GUNS LOADED W/23 GRAM CHARGES, 4 SPF, 90 DEG PHASING & RIH. TAG PBTD @ 9548'. PU SHOOT 24 HOLES FROM 9532'-38'. PU SHOOT 16 HOLES FROM 9485'-89' POOH. BRK DN PERFS @ |

3700#. EST INJ RATE @ .5 BPM @ 3500#. ISIP: 3200#, FG:.77. BLEED PRESS OFF. RDMO CUTTERS. PREP TO FRAC MONDAY AM. MIRU DBL JACK TESTERS. PRESS TST BOP STACK TO 9000#, HELD. 4:00 PM SDFWE.

10/28/03

PERF AND FRAC STAGES 1 & 2 W/400,000# SD. PERF STAGE 3 (4 WIRELINE RUNS). PREP TO FRAC IN AM.

10/29/03

10/27/03: MIRU SCHLUMBERGER. SICP: 1700#. BLEED PRESS OFF. REMOVE TBG HANGER & 4 JTS TBG. HELD SAFETY MEETING. PRESS TST LINES TO 9500#, (HELD).

STAGE 1: EST INJ RATE @ 25 BPM @ 5077#, ISIP: 2950#, FG: .76. CALCULATE PERF'S OPEN (34/40 PERFS OPEN). FRAC STAGE 1 W/191,500# SD W/YF118ST+, ISIP: 5219#, NP: 2019#. FG:.98.

STAGE 2: PU 3 3/8" PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING, 4 1/2" CBP & RIH. SET CBP @ 9300'. PU SHOOT 4 HOLES F/ROM 9270' - 71'. PU SHOOT 8 HOLES FROM 9192' - 94'. PU SHOOT 8 HOLES FROM 9076' - 78'. POOH. BRK DN PERFS @ 3259#, ISIP: 2602#, FG: .72, EST INJ RATE @ 29.2 BPM @ 5050#, CALCULATE PERFS OPEN (20/20 HOLES OPEN) FRAC STAGE 2 W/ 196,500# SD, W/YF118ST+, ISIP: 3720#, NPI: 1118#, F.G. .84.

STAGE 3: PU 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8835'. PU SHOOT 6 HOLES FROM 8803' - 06'. PU SHOOT 22 HOLES FROM 8790' - 8801'. POOH. PU NEW GUN & RIH, SHOOT 24 HOLES F/ROM 8768' - 8780'. POOH, PU NEW GUN & RIH SHOOT 32 HOLES FROM 8724' - 8740' (TOOK 850# PRESS KICK AFTER SHOT). POOH. PU NEW GUN & RIH. SHOOT 44 HOLES FROM 8670' - 92'. POOH. PREP TO BRK DN IN AM. 5:30 PM SDFN.

10/28/03 PROG: HELD SAFETY MEETING. PRIME PMP'S & BEGIN FRAC. STAGE 3: EST INJ RATE @ 4750# @ 53 BPM. ISIP: 2750#, FG: .75, CALCULATE PERF'S OPEN. (123/128 HOLES OPEN). SCHLUMBERGER BRK DN 2 HRS (BELTS ON PCM). FRAC STAGE 3 W/355,000# SD W/YF118ST+, ISIP: 3447#, NPI: 1097#, FG: .83.

STAGE 4: (PERF ONLY) PU 3 3/8" PERF GUNS LOADED W/23 GM CHARGES, 4 SPF, 90 DEG PHASING & 4 1/2" CBP. RIH. SET CBP @ 8550'. PU SHOOT 32 HOLES FROM 8501' - 09'. PU SHOOT 32 HOLES FROM 8490' - 98'. POOH. BRK DN PERFS @ 2721'. ISIP: 2277#, FG: .77. SPOT 600 GALS 7% HCL. EST INJ RATE W/ DISPLACEMENT @ 3670#, @ 30.8 BPM. DISPLACE W/ 136 BBLS.

STAGE 5: PU 3 3/8" PERF GUNS & 4 1/2" CBP. RIH. SET CBP @ 8460'. PU SHOOT 20 HOLES FROM 8140' - 45', POOH. BRK DN PERFS @ 3215, EST INJ RATE @ 27 BPM @ 4230#, ISIP: 2750#, FG: .77. PMP 800 GALS 7% HCL DISPLACE TO 6TH STAGE PERFS W/ 127 BBLS.

STAGE 6: PU 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 7935'. PU SHOOT 8 HOLES FROM 7888' - 92', PU SHOOT 8 HOLES FROM 7823' - 27'. POOH. BRK DN PERF'S @ 6108#, EST INJ RATE @ 3360# @ 21 BPM. ISIP: 2060#, FG: .70. CALCULATE PERF'S OPEN (16/16 HOLES OPEN). FRAC STAGE 6 W/63,000# SD W/YF118ST+, ISIP: 2720#, NPI: 660#, FG: .78. PU 4 1/2" CBP & RIH. SET KILL PLUG @ 7760'. POOH. RDMO CUTTERS. RDMO.

10/30/03

HELD SAFETY MEETING. X-O BOP'S INSTALL 2 3/8" PIPE RAMS. PU 3 7/8" SMITH BIT. PMP OFF BIT SUB, 1 JT 2 3/8" TBG. 2 3/8" SN & RIH W/TBG. TAG KILL PLUG @ 7765'. RU PWR SWVL & DRILL EQUIP. BRK CIRC W/ 2% KCL. BEGIN TO DRILL. DRILL UP KILL PLUG IN 6 MIN. (400# PRESS INC). CONT TO RIH. TAG FILL @ 7905'. CO SD TO 2ND CBP @ 7935'. DRILL UP 2ND CBP IN 8 MIN. (0# PRESS INC). CONT TO RIH. TAG 3RD CBP @

DRILL UP 2ND CBP IN 8 MIN. (0# PRESS INC). CONT TO RIH. TAG 3RD CBP @ 8460'.

DRILL UP 3RD CBP IN 10 MIN. (1800# PRESS INC). (VERY STRONG DRY GAS FLOW). CONT TO RIH. 4TH CBP @ 8550'.

DRILL UP 4TH CBP IN 10 MIN. (1600# PRESS INC). CONT TO RIH. TAG FILL @ 8825'. (15' SD) CO TO 5TH CBP @ 8840'.

DRILL UP 5TH CBP IN 9 MIN. (500# PRESS INC.) CONT TO RIH. TAG FILL @ 9280', (20' SD). CO TO 6TH CBP @ 9300'.

DRILL UP 6TH CBP IN 8 MIN. (400# PRESS INC). CONT TO RIH. TAG FILL @ 9538'. CO TO PBTD @ 9548'. CIRC WELL CLEAN. POOH. LD 8 JTS TBG. LUBRICATE TBG HANGER INTO WH. EOT @ 9982'. NDBOP. NUWH. RU PMP & LINES. PMP OFF BIT SUB @ 2600#. OPEN WELL TO PIT. TURN OVER TO FLOW BACK CREW @ 5:00 P.M. SICP: 1800#, FTP: 1000#, 48/64 CHK. FLOW BACK REPORT: CP: 2600#, TP: 2000#, 18/64" CHK, 15 HRS, 40 BWPH, SD: TRACE, APPROX 3772 MCFD, TTL BBLS FLWD: 1420 BBLS, MED GAS. TODAYS LTR: 4464 BBLS, LOAD REC TODAY: 1420 BBLS, REMAINING LTR: 3044 BBLS, TOTAL LOAD REC TO DATE: 4540 BBLS.

10/31/03

FLOW BACK REPORT; CP: 3000#, TP: 2100#, 18/64" CHK, 24 HRS, 9 BWPH, SD: CLEAN, MED GAS, TTL BBLS FLWD: 323 BBLS, ORIGINAL LTR: 7584 BBLS, TODAY'S LTR: 4464 BBLS, TOTAL REC: 3443 BBLS, TODAY'S RECOVERY: 323 BBLS, REMAINING LTR: 4141 BBLS.

11/3/03

WELL WENT ON SALES 10/31/03, 10:00 AM. 1600 MCF, SICP: 3350#, FTP: 2010#, 40 BWPH, 15/64" CHK.

10/31/03: 1023 MCF, 0 BC, 660 BW, TP: 1908#, CP: 2963#, 15/64" CHK, 19 HRS, LP:

11/1/03: 1487 MCF, 0 BC, 720 BW, TP: 1630#, CP: 2537#, 16/64" CHK, 24 HRS, LP: 87#.

11/4/03

ON SALES

11/2/03: 1805 MCF, 0 BC, 600 BW, TP: 1200#, CP: 1944#, 19/64" CHK, 24 HRS, LP: 100#.

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, ests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data TEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

TEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of pertinent to such interval.

(TEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above). the cementing tool.

| | d | True Vert. Depth | : | | | | |
|---|-----------------------------|----------------------|---|--|--|--|--|
| GEOLOGIC MARKERS | doT | Meas. Depth | | | | | |
| 38. GEOLO | | Name | | | | | |
| | Description, contents, etc. | | | | | | |
| of; cored intervals; ushion used, eries. | Botte | 4678 7353 | | | | | |
| and contents thereceth interval tested, corressures, and recover | Top | 4678 | | | | | |
| 37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries. | Formation | WASATCH MESAVERDE | | | | | |

DEPARTME DIVISION

| STATE OF UTAH | FORM 9 |
|--------------------------|---|
| ENT OF NATURAL RESOURCES | |
| OF OIL, GAS AND MINING | 5. LEASE DESIGNATION AND SERIAL NUMBER: |
| | ML-22582 |

| | ML-22582 |
|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 7. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT |
| 1. TYPE OF WELL OIL WELL GAS WELL OTHER | 8. WELL NAME and NUMBER: CIGE 283 |
| 2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P. | 9. API NUMBER: 4304734790 |
| 3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-7024 | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL | |
| FOOTAGES AT SURFACE: 755'FSL & 504'FEL | COUNTY: UINTAH |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 35 9S 21E | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO | ORT, OR OTHER DATA |
| TYPE OF SUBMISSION TYPE OF ACTION | |
| ✓ NOTICE OF INTENT ☐ ACIDIZE ☐ DEEPEN | REPERFORATE CURRENT FORMATION |
| (Submit in Duplicate) ALTER CASING FRACTURE TREAT | SIDETRACK TO REPAIR WELL |
| Approximate date work will start: CASING REPAIR NEW CONSTRUCTION | TEMPORARILY ABANDON |
| CHANGE TO PREVIOUS PLANS OPERATOR CHANGE | TUBING REPAIR |
| CHANGE TUBING PLUG AND ABANDON | VENT OR FLARE |
| SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only) | WATER DISPOSAL |
| Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME) | WATER SHUT-OFF |
| COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE | ✓ OTHER: RECOMPLETION |
| CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volun | nes, etc. |
| THE OPERATOR REQUESTS AUTHORIZATION TO FINISH COMPLETING THE SUBJE | |
| PERFORATING AND FRACTURING THREE WASATCH INTERVALS IN TWO TREATME | NT STAGES. |
| PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE. | |
| | |
| | |
| | |
| | |
| | RECEIVED |
| y to the state of the second s | MAY 1 3 2005 |
| COPY SENT TO OPERATOR | DIM OF OIL OAG S HINING |
| Date: 6-15-05 | DIV. OF OIL, GAS & MINING |
| | |
| NAME (PLEASE PRINTY SHEILA UPCHEGO TITLE REGULATORY | ANALYST |
| SIGNATURE MUNICIPO DATE 5/9/2005 | |
| | |

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: CHYLOS

(See Instructions on Reverse Side) ATEC

Couse No. 173-14

CIGE 283 775' FSL & 504' FEL **SESE-SEC. 35-T9S-R21E** Uintah County, UT

May 3, 2005

KBE:

5114'

API NUMBER:

43-047-34790

GLE:

5099'

LEASE NUMBER:

ML-22582

TD:

9590'

WI:

100%

PBTD:

9390' (CIBP)

NRI:

81.248000%

ORRI:

0%

CASING:

12.25" hole

9.625", 32.3#, H-40 @ 275'.

Cemented with 129 cuft Class G. TOC @ surface.

8.75" hole

7" 23# J-55 @ 5968'.

Cemented with 1074 cuft 50-50 Pozmix. Pumped a top job using 1074 cuft

Premium Lite II. TOC @ unknown..

6.25" hole

4.5", 11.6#, M-80 @ 9565'. Marker joint @ 4653'.

Cemented with 541 cuft Premium Lite II lead and 1009 cuft 50-50 Pozmix tail.

TOC @ 210' by CBL.

2.375" 4.7# J-55 tbg. @ 8597'.

| Tubular | Drift | Collapse | Burst | Capacities | | |
|-----------------------------|--------|----------|--------|------------|----------|----------|
| | inches | psi | Psi | Gal./ft. | Cuft/ft. | Bbl./ft. |
| 2.375" 4.7# J-55 tbg. | 1.901 | 8100 | 7700 | 0.1626 | 0.02173 | 0.00387 |
| 4.5" 11.6# N/M/I-80 csg | 3.875 | 6350 | 7780 | 0.6528 | 0.0872 | 0.01554 |
| Annular Capacities | | | | | | |
| 2.375" tbg. X 4.5" 11.6# cs | g. | | | 0.4226 | 0.0565 | 0.01006 |
| 4.5" csg. X 7" 23# csg. | | | | 0.8274 | 0.1106 | 0.0197 |
| 7" csg. X 9.625" 32.3# csg | | 1.3062 | 0.1746 | 0.0311 | | |
| 4.5" csg. X 6.25" hole | | | | 0.7686 | 0.1026 | 0.0183 |
| 7" csg. X 8.75" hole | | | | | | |

PERFORATION DETAIL:

| Formation | Date | Top | Bottom | Holes | Status |
|------------|------------|------|--------|-------|--------------|
| (19) Marie | | | | | 建物的 |
| Mesa Verde | 10/28/2003 | 7823 | 7827 | 8 | Open |
| Mesa Verde | 10/28/2003 | 7888 | 7892 | 8 | Open |
| Mesa Verde | 10/28/2003 | 8140 | 8145 | 20 | Open |
| Mesa Verde | 10/28/2003 | 8490 | 8498 | 32 | Open |
| Mesa Verde | 10/28/2003 | 8501 | 8509 | 32 | Open |
| Mesa Verde | 10/27/2003 | 8670 | 8692 | 44 | Open |
| Mesa Verde | 10/27/2003 | 8724 | 8740 | 32 | Open |
| Mesa Verde | 10/27/2003 | 8768 | 8780 | 24 | Open |
| Mesa Verde | 10/27/2003 | 8790 | 8801 | 22 | Open |
| Mesa Verde | 10/27/2003 | 8803 | 8806 | 6 | Open |
| Mesa Verde | 10/27/2003 | 9076 | 9078 | 8 | Open |
| Mesa Verde | 10/27/2003 | 9270 | 9271 | 4 | Open |
| Mesa Verde | 10/27/2003 | 9532 | 9538 | 24 | Excl. – CIBP |
| Mesa Verde | 10/27/2003 | 9485 | 9489 | 16 | Excl. – CIBP |

WELL HISTORY:

Completion – October 2003

- Drilled out float collar and cement to original PBTD of 9550'.
- Perforated the gross interval 9485' through 9538' and fractured with 191500# 20/40 sand.
- Perforated the gross interval 9076' through 9271' and fractured with 196500# 20/40 sand.
- Perforated the gross interval 8670' through 8806' and fractured with 355000# 20/40 sand
- Perforated the interval 8140-8145' and acidized with 800 gal 7% HCl.
- Perforated the gross interval 7827' through 7892' and fractured with 63000# 20/40 sand.
- IP'd 1805 MCFD, 600 BWPD, 1200 psi FTP, 1944 psi SICP, 19/64th choke on 11/2/2003.

Workover #1 - Exclude Sego

- Tagged fill at 9500'.
- Set CIBP at 9390'.
- RTP.

CIGE 283 WASATCH RECOMPLETION PROCEDURE

GENERAL:

- A minimum of 6 tanks of fresh water will be required for the fracturing schedules.
- All perforation depths are from the Schlumberger Triple Combo log dated 8 October 2005.
- Perforation phasing: 2 spf, 180 degrees; 3 spf, 120 degrees; 4 spf, 90 degrees.
- 2 fracturing stages required for coverage of the Wasatch.
- 20/40 mesh sand, 18-20#/1000 gal. gel loading.
- Scale Inhibitor: Nalco DVE 4O-004, 10 gal/1000 in pre-pad/flush, 3 gal/1000 in pad and half of the ramp.
- Include Schlumberger "Propnet" or BJ "Flexsand" in all fracturing stages per current blending practice, depending upon service company pumping the job.
- **Pop-Offs:** Install pop-off valves on the surface/production casing annulus set at 1500 psi.
- Maximum surface pressure 7500 psi.

PROCEDURE:

- 1. MIRU. NU BOP. Kill well and POOH.
- 2. Set 10000 psi CBP at ~6800'. Pressure test BOP and casing to 500 psi and 7500 psi.
- 3. Perforate the following with 3-3/8" expendable gun, 23 gm, 0.35" hole:

- 4. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 in the attached listing. Under displace to ~6550'.
- 5. Set 5000 psi CBP at ~6300'. Perf the following with 3-3/8" expendable gun, 23 gm, 0.35" hole:

- 6. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 in the attached listing. Under-displace to ~6050'.
- 7. Set 5000 psi CBP at ~6200'.
- 8. TIH with 3 7/8" bit, pump off sub, SN and tubing. Drill out plugs and clean out to PBTD.
- 9. Land tubing at ~9500'. ND BOPE, NU WH. Drop ball and shear off bit.
- 10. RDMO

S. D. McPherson

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

ROUTING 1. DJJ 2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

| The operator of the well(s) listed below has char | 1/6/2006 | | | | | | | | |
|---|------------------------|--|---------------|---------------|--------------|----------------|--|--|--|
| FROM: (Old Operator): | | TO: (New O | perator): | | | | | | |
| N2115-Westport Oil & Gas Co., LP | | N2995-Kerr-McGee Oil & Gas Onshore, LP | | | | | | | |
| 1368 South 1200 East | | | outh 1200 | | • | | | | |
| Vernal, UT 84078 | Vernal | , UT 84078 | } | | | | | | |
| Phone: 1-(435) 781-7024 | Phone: 1-(435) | 781-7024 | | | | | | | |
| CA No | • | Unit: | N | ATURAL B | UTTES | UNIT | | | |
| WELL NAME | SEC TWN RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS | | | |
| OPERATOR CHANGES DOCUMENTATION | | | | | | | | | |
| Enter date after each listed item is completed | | | | | | | | | |
| 1. (R649-8-10) Sundry or legal documentation w | as received from the | FORMER ope | rator on: | 5/10/2006 | | | | | |
| 2. (R649-8-10) Sundry or legal documentation w | as received from the | NEW operator | on: | 5/10/2006 | - | | | | |
| 3. The new company was checked on the Depart | tment of Commerce | e, Division of Co | orporation | s Database o | n: | 3/7/2006 | | | |
| 4a. Is the new operator registered in the State of | Utah: YES | Business Numb | er: | 1355743-018 | 1 | | | | |
| 4b. If NO, the operator was contacted contacted | on: | - | | | - | | | | |
| 5a. (R649-9-2)Waste Management Plan has been r | eceived on: | IN PLACE | | | | | | | |
| 5b. Inspections of LA PA state/fee well sites comp | olete on: | n/a | 3 LA wells | s & all PA w | ells tran | sferred | | | |
| 5c. Reports current for Production/Disposition & | Sundries on: | ok | - | | | | | | |
| 6. Federal and Indian Lease Wells: Th | e BLM and or the H | BIA has appro | ved the n | nerger, nan | ne chan | ge, | | | |
| or operator change for all wells listed on Fede | | | BLM | 3/27/2006 | | not yet | | | |
| 7. Federal and Indian Units: | | | | | | | | | |
| The BLM or BIA has approved the successor | r of unit operator for | r wells listed on: | | 3/27/2006 | | | | | |
| 8. Federal and Indian Communization | • | , | | | | | | | |
| The BLM or BIA has approved the operator | | | | n/a | | | | | |
| 9. Underground Injection Control ("U | • | ivision has appro | | • | sfer of A | uthority to | | | |
| Inject, for the enhanced/secondary recovery u | nit/project for the wa | ater disposal wel | l(s) listed o | n: | | | | | |
| DATA ENTRY: | | | | | | | | | |
| 1. Changes entered in the Oil and Gas Database | | 5/15/2006 | | | | | | | |
| 2. Changes have been entered on the Monthly O | perator Change Sp | | | 5/15/2006 | | | | | |
| Bond information entered in RBDMS on: Fee/State wells attached to bond in RBDMS or | | 5/15/2006 | • | | | | | | |
| 5. Injection Projects to new operator in RBDMS | | 5/16/2006 | | | | | | | |
| 6. Receipt of Acceptance of Drilling Procedures | | | n∕a | Name Chan | ge Only | | | | |
| BOND VERIFICATION: | IOI 7 II D/TYCW OII. | VP 1/ A | II/ d | Ivanic Chan | ge Only | | | | |
| Federal well(s) covered by Bond Number: | | CO1203 | | | | | | | |
| 2. Indian well(s) covered by Bond Number: | • | RLB0005239 | | | | | | | |
| 3. (R649-3-1) The NEW operator of any fee wel | l(s) listed covered by | | • | RLB000523 | 5 | | | | |
| a. The FORMER operator has requested a release | | n/a | rider added | , | | | | | |
| The Division sent response by letter on: | | | | | | | | | |
| LEASE INTEREST OWNER NOTIFIC | CATION: | | • | | | | | | |
| 4. (R649-2-10) The FORMER operator of the fee | | acted and inforn | ned by a let | ter from the | Division | | | | |
| of their responsibility to notify all interest owner | | | 5/16/2006 | | | | | | |
| COMMENTS: | | | | | | | | | |
| | | | <u>-</u> | | | | | | |

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

| SUNDRY NOTICES AND REPORTS ON WELLS | | | MULTIPLE | MULTIPLE LEASES | | | | |
|---|---|--|---|---|--|---|---|--|
| Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals. | | | | | 6. If Indian, | Allottee or Tribe | e Name | |
| SUBMIT IN TRIPL | ICATE Other instruc | tions o | on revers | e side | 7. If Unit or | CA/Agreement, | Name and/or No. | |
| 1. Type of Well | | | | | | | | |
| 2. Name of Operator | Other | | <u></u> | | 8. Well Nam | | | |
| WEDD N OFF ON A SAS ANALYSIS | | | | | | MUTIPLE WELLS | | |
| 3a. Address 3b. Phone No. (include area code) | | | | | 9. API Well I | No. | | |
| 1368 SOUTH 1200 EAST V | | | 81-7024 | ne uren cone, | 10. Field and I | Pool, or Explora | Hory Area | |
| 4. Location of Well (Footage, Sec., | | | | | | out of Emploid | nory zaroa | |
| * | | | | | 11. County or | Parish, State | | |
| SEE ATTACHED | | | | | UINTAH C | OUNTY, UT | TAH . | |
| 12. CHECK APP | ROPRIATE BOX(ES) TO I | NDICATI | E NATURE | OF NOTICE, I | REPORT, OR C | OTHER DATA | 1 | |
| TYPE OF SUBMISSION | | | TY | PE OF ACTIO | Ν | | | |
| Notice of Intent | Acidize Alter Casing | Deepe | en ire Treat | Production | n (Start/Resume) | Water Sh | | |
| Subsequent Report | Casing Repair | | Construction | Recomple | | Other Cl | HANGE OF | |
| Final Abandonment Notice 13. Describe Proposed or Completed Ope | Change Plans Convert to Injection | Plug | | Water Dis | =' | OPERAT | | |
| If the proposal is to deepen directions Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for fin | rk will be performed or provide the operations. If the operation result bandonment Notices shall be filed all inspection. | e Bond No s in a mult only after | on tile with iple completion all requirements | BLM/BIA Requence or recompletion nots, including recl | ired subsequent re in a new interval, amation, have been | ports shall be file a Form 3160-4 sl n completed, and | ed within 30 days | |
| PLEASE BE ADVISED THA OPERATOR OF THE ATTA KERR-McGEE OIL & GAS C OF THE LEASE(S) FOR TH | CHED WELL LOCATION ONSHORE LP, IS RESP | ns. Ef Onsibi | FECTIVE LE UNDEF | JANUARY 6 R TERMS AN | , 2006. ND CONDITI | ONS | MAY 1 0 2006 | |
| IS PROVIDED BY STATE O | FUTAH NATIONWIDE ONO = C 0/203 | BOND | NO. RLBO A I | 005237. PPROVE | D <u>51/</u> | 6106DIV | OF OIL, GAS & MININ | |
| BIA B | OND = RLBOOK | 52: | - | Carline | | l | | |
| 14. I hereby certify that the foregoing | g is true and correct | | Div For | ision of Oil; | Cas and Min | ing | | |
| Name (Printed/Typed) RANDY BAYNE | | Title | LING MAN | | Engineering | 1ecnnician | | |
| Signature Sayne | | Date |), 2006 | AGEN | | | ,, <u>, , , , , , , , , , , , , , , , , ,</u> | |
| 1/34/12 | THIS SPACE | | | STATE USE | | | | |
| Approved by | | | Title | | Date | | | |
| Conditions of approval, if any, are attached | Approval of this notice does not wa | rrant or | Office | | · | | | |
| certify that the applicant holds legal or equi which would entitle the applicant to conduc | table title to those rights in the subjet operations thereon. | ct lease | | | | | | |
| Title 18 U.S.C. Section 1001, make | n a crume for any person know | ungly and | willfully to r | make to any dep | artment or agenc | y of the United | States any | |

Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or reenter an

MULTIPLE LEASES 6. If Indian, Allottee or Tribe Name

5-9-06

| abandoned well. | Use Form 3160-3 (API | D) for such proposals. | | | |
|--|---|--|--|--|--|
| SUBMIT IN TRIP | LICATE – Other instr | uctions on reverse side | 7. If Unit or CA/Agreement, Name and/or No. | | |
| I. Type of Well | | | | | |
| Oil Well X Gas Well | 8. Well Name and No. | | | | |
| 2. Name of Operator | | | | | |
| WESTPORT OIL & GAS C | OMPANY L.P. | | MUTIPLE WELLS 9. API Well No. | | |
| 3a. Address | | 3b. Phone No. (include area code) | | | |
| 1368 SOUTH 1200 EAST | | (435) 781-7024 | 10. Field and Pool, or Exploratory Area | | |
| 4. Location of Well (Footage, Sec. | , T., R., M., or Survey Descrip | tion) | | | |
| OFF ATTAOUED | | | 11. County or Parish, State | | |
| SEE ATTACHED | | | UINTAH COUNTY, UTAH | | |
| 12. CHECK AP | PROPRIATE BOX(ES) TO | INDICATE NATURE OF NOTICE, | REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | | TYPE OF ACTIO | | | |
| Notice of Intent | Acidize | Deepen Production | n (Start/Resume) Water Shut-Off | | |
| Subsequent Report | Alter Casing | Fracture Treat Reclamat | | | |
| Subsequent Report | Casing Repair Change Plans | ☐ New Construction ☐ Recomple☐ Plug and Abandon ☐ Temporar | other CHANGE OF OPERATOR | | |
| Final Abandonment Notice | Convert to Injection | Plug Back Water Dis | | | |
| Attach the Bond under which the war following completion of the involved | ork will be performed or provided I operations. If the operation resolved Abandonment Notices shall be fi | give subsurface locations and measured and to the Bond No. on file with BLM/BIA. Requisits in a multiple completion or recompletion | any proposed work and approximate duration thereof nue vertical depths of all pentinent markers and zones, aired subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once lamation, have been completed, and the operator has | | |
| EFFECTIVE JANUARY 6, 2 THE OPERATORSHIP OF ONSHORE LP. | THE ATTACHED WEL | & GAS COMPANY L.P., HAS F L LOCATIONS TO KERR-McG | RELINQUISHED EE OIL & GAS | | |
| | APPI | arlene Russell | RECEIVED | | |
| | Division | n of Oil, Cas and Mining | MAY 1 0 2006 | | |
| | Earlene | Russell, Engineering Technicia | n | | |
| 14. I hereby certify that the foregoin | g is true and correct | | DIV OF OIL, GAS & MINING | | |
| Name (Printed/Typed) | | Title | | | |
| BRAD LANEY | | ENGINEERING SPECIALIS | ST | | |

Conditions of approval, if any, are attacked. Approval of this notice does not warrant or certify that the applicant holds legal of equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Date May 9, 2006 THIS SPACE FOR FEDERAL OR STATE USE

Title

Office

Signature

Approved by

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

| Operator: Kerr-McGee Oil & Gas Onshore, | , LP | Account: N299 | 95 Today's Da | ate: 09/16/2008 | | |
|--|--------------------|--|---|--------------------|--|--|
| Problems: ☐ Late Report(s) ☐ Inaccurate Report(s) ☐ Incomplete Report(s) ☐ Other: No Subsequent Report Send reports to: Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 | | complete ma Violation by result in the outlined in R | to submit reports in a timely, accurate, and lanner may result in the issuance of a Notice of y the Division of Oil, Gas and Mining, and may the Division pursuing enforcement action as Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code. Sempliance action, these reporting problems should be resolved within 7 days. 43 047 34790 CIGE 283 95 21E 35 | | | |
| Salt Lake City, Utah 84114-5801 | | | 43 | 21E 35 | | |
| Type of Report | | Month(| s) of Problem Rep | ort | | |
| Production – Form 10 | | | | | | |
| Disposition – Form 11 | | | | | | |
| Gas Plant – Form 13 | | | | | | |
| Enhanced Recovery – UIC Form 2 | | | | | | |
| ☐ Injection – UIC Form 3 | | | | | | |
| Other | | | | | | |
| Type of Report | Well Na | me(s) | API Number(s) | Drilling Commenced | | |
| Spud Notice – Form 9 | | | | | | |
| ☐ Drilling Reports – Form 9 | • | | | | | |
| Well Completion Report – Form 8 | | | | | | |
| ✓ Other Subsequent Sundry | ✓ List Attache | d | | | | |
| Description of Problem: Operator has submitted sundry of intents on the following wells that have been approved by DOGM. Per Rule 649-3-23, a subsequent report shall be submitted on Form 9, Sundry Notice, with in 30 days after completion. The report should show workover results, well status, work completion date, new perforation depths, etc. | | | | | | |
| If you have questions or concerns regarding the | his matter, please | , contact Rac | hel Medina at | (801) 538-5260 . | | |
| cc: Compliance File | | | | | | |

RAM Well File CHD

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

ATTACHMENT

Operator: Kerr-McGee Oil & Gas Onshore, LP. Account: N2995 Today's Date: 09/16/2008

| Well Names | API Numbers | Drilling Commenced | |
|---------------------|-------------|--------------------|--|
| Cige 240 | 4304733207 | | |
| Tribal 31-98 | 4304733375 | | |
| NBU 17-18B | 4304730317 | | |
| Southman Cyn 31-1-L | 4304732543 | | |
| Cige 283 | 4304734790 | | |
| NBU 142 | 4304732013 | | |
| Cige 54D | 4304730851 | | |
| Cige 8 | 4304730427 | | |
| Cige 62D | 4304730885 | | |
| Cige 153 | 4304732067 | | |
| Cige 186 | 4304732590 | | |
| Cige 193 | 4304732973 | | |
| Bonanza 10-23-7D | 4304735393 | | |
| NBU Cige 6-19-9-21 | 4304730356 | | |
| Cige 116 | 4304731919 | | |
| Cige 1 74 | 4304732323 | | |
| Cige 260 | 4304734368 | | |
| Love U 1121-10G | 4304735557 | | |
| Lizzard 1122-210 | 4304736045 | | |
| NBU 116 | 4304731925 | | |
| NBU 1022-11F | 4304735314 | | |
| NBU 270 | 4304732862 | | |
| Canyon Federal 1-9 | 4304730378 | | |
| NBU 921-34J | 4304737953 | | |

STATE OF UTAH

| | MENT OF NATURAL RESOURCEN OF OIL, GAS AND MIN | | Г | 5. LEASE DESIGNATION AND SERIAL NUMBER: | |
|---|--|---------------------------------------|---------------------------------|--|---|
| 217.6.0 | ML-22582 | | | | |
| SUNDRY NOTIC | _S | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | |
| Do not use this form for proposals to drill new wells, sign drill horizontal laterals. Use A | 7. UNIT OF CA AGREEMENT NAME: UNIT #891008900A | | | | |
| 1. TYPE OF WELL OIL WELL | GAS WELL 🚺 OTHER | | | 8. WELL NAME and NUMBER: CIGE 28 3 | |
| 2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHO | ORE LP | | | 9. API NUMBER: 4304734790 | |
| 3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL | L STATE UT 21P 8 | | PHONE NUMBER: (435) 781-7024 | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES | |
| 4. LOCATION OF WELL | | | | LUNITALI | |
| FOOTAGES AT SURFACE: 755'FSL, 504'F | ·EL | | | COUNTY: UINTAH | |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIA | w: SESE 35 9S, 21 | E | | STATE: UTAH | |
| 11. CHECK APPROPRIA | TE BOXES TO INDICATE | NATURE C | OF NOTICE, REPOF | RT, OR OTHER DATA | |
| TYPE OF SUBMISSION | | TY | PE OF ACTION | | |
| NOTICE OF INTENT | DIZE [| DEEPEN | | REPERFORATE CURRENT FORMATION | |
| | ER CASING [| FRACTURE 1 | (REAT | SIDETRACK TO REPAIR WELL | |
| Approximate date work will start: CAS | ING REPAIR [| NEW CONST | RUCTION | TEMPORARILY ABANDON | |
| СНА | NGE TO PREVIOUS PLANS | OPERATOR (| CHANGE | TUBING REPAIR | |
| CHA | NGE TUBING | PLUG AND A | BANDON | VENT OR FLARE | |
| | NGE WELL NAME | PLUG BACK | | WATER DISPOSAL | |
| (Submit Original Form Only) | NGE WELL STATUS | PRODUCTION | N (START/RESUME) | WATER SHUT-OFF | |
| Date of work completion: | MINGLE PRODUCING FORMATIONS | = | ON OF WELL SITE | ✓ OTHER: RECOMPLETION | |
| | IVERT WELL TYPE | = | E - DIFFERENT FORMATION | THER. INCOMIN LETTON | - |
| 12. DESCRIBE PROPOSED OR COMPLETED | OPERATIONS. Clearly show all per | tinent details incl | uding dates, depths, volume | s, etc. | |
| | | | | | |
| ON MAY 9, 2005 THE OPERATO | R REQUESTED AUTHOR | IZATION TO | O FINISH COMPLET | ING THE SUBJECT WELL | |
| LOCATION BY PERFORATING A | IND FRACTURING THREE | E WASATCI | H INTERVALS IN TV | | |
| OPERATOR REQUESTS TO WIT | HDRAW THE NOTICE OF | - INTENT A | T THIS TIME. | | |
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| NAME (É) EASE BRINT) SHEILA UPCHEG | iO | | REGULATORY A | NALYST | _ |
| NAME (PLEASE PRINT) SHEILA OF CHEG | in eller | TITLE | - | | - |
| SIGNATURE // // | 71.60 MM/10 | DATE | 9/24/2008 | | - |
| This snare for State use only) | | | | RECEIVED | = |

OCT 0 6 2008

FORM 9

STATE OF UTAH

| DEPARTMENT OF NATURAL RESOURCES | | | | | | |
|--|---|--|--|--|--|--|
| [| DIVISION OF OIL, GAS AND MII | NING | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22582 | | | |
| SUNDRY | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | | | |
| Do not use this form for proposals to drill ne drill horizontal lat | 7. UNIT of CA AGREEMENT NAME: UNIT #891008900A | | | | | |
| 1. TYPE OF WELL OIL WELL | GAS WELL 🗸 OTHER_ | | 8. WELL NAME and NUMBER: CIGE 283 | | | |
| 2. NAME OF OPERATOR: | | | 9. API NUMBER: | | | |
| KERR McGEE OIL & GAS 3. ADDRESS OF OPERATOR: | ONSHORE LP | PHONE NUMBER: | 4304734790 10. FIELD AND POOL, OR WILDCAT: | | | |
| 1368 SOUTH 1200 EAST CITY | , VERNAL STATE UT ZIP | | NATURAL BUTTES | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 755' F | SL, 504' FEL | | COUNTY: UINTAH | | | |
| QTR/QTR, SECTION, TOWNSHIP, RANG | ge, meridian: SESE 35 9S 2 | ME RO | STATE: UTAH | | | |
| 11. CHECK APPF | ROPRIATE BOXES TO INDICAT | TE NATURE OF NOTICE, REPO | RT, OR OTHER DATA | | | |
| TYPE OF SUBMISSION | | TYPE OF ACTION | | | | |
| NOTICE OF INTENT | ACIDIZE | DEEPEN | REPERFORATE CURRENT FORMATION | | | |
| (Submit in Duplicate) | ALTER CASING | FRACTURE TREAT | SIDETRACK TO REPAIR WELL | | | |
| Approximate date work will start: | CASING REPAIR | NEW CONSTRUCTION | TEMPORARILY ABANDON | | | |
| | CHANGE TO PREVIOUS PLANS | OPERATOR CHANGE | TUBING REPAIR | | | |
| | CHANGE TUBING | PLUG AND ABANDON | VENT OR FLARE | | | |
| SUBSEQUENT REPORT | CHANGE WELL NAME | PLUG BACK | WATER DISPOSAL | | | |
| (Submit Original Form Only) | CHANGE WELL STATUS | PRODUCTION (START/RESUME) | WATER SHUT-OFF | | | |
| Date of work completion: | COMMINGLE PRODUCING FORMATIONS | RECLAMATION OF WELL SITE | ✓ OTHER: RECOMPLETION | | | |
| | CONVERT WELL TYPE | RECOMPLETE - DIFFERENT FORMATION | | | | |
| 12. DESCRIBE PROPOSED OR CO | OMPLETED OPERATIONS. Clearly show all p | pertinent details including dates, depths, volum | es, etc. | | | |
| | | | | | | |
| ON MAY 9, 2005 THE OP | ERATOR REQUESTED AUTHO | RIZATION TO FINISH COMPLE | TING THE SUBJECT WELL | | | |
| LOCATION BY PERFORA | ATING AND FRACTURING THR | EE WASATCH INTERVALS IN T | WO TREATMENT STAGES. THE | | | |
| OPERATOR REQUESTS | TO WITHDRAW THE NOTICE (| OF INTENTAL THIS TIME. | | | | |
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| | | | | | | |
| NAME (PLEASE PRINT) SHEILA L | JPCHEGO | TITLE REGULATORY | ANALYST | | | |
| SIGNATURE // MU/ | Momono me | DATE 10/22/2008 | | | | |

(This space for State use only)

RECEIVED

OCT 27 2008

| SUNDF Do not use this form for proposed bottom-hole depth, reenter plud prill form for such proposals. 1. TYPE OF WELL Gas Well 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSI 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th S 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0755 FSL 0504 FEL QTR/QTR, SECTION, TOWNSHI | 5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22582 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT OF CA AGREEMENT NAME: NATURAL BUTTES 8. WELL NAME and NUMBER: CIGE 283 9. API NUMBER: 43047347900000 9. FIELD and POOL OF WILDCAT: NATURAL BUTTES COUNTY: UINTAH | | |
|--|--|--|--|
| Qtr/Qtr: SESE Section: 35 | Fownship: 09.0S Range: 21.0E Meridian: S | | STATE: UTAH |
| CHE | CK APPROPRIATE BOXES TO INDICATE N | NATURE OF NOTICE, REPORT, | OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | |
| THE OPERATOR REC THE SUBJECT WELL L ABANDON THE WELL NBU 921-35P1BS, | ACIDIZE CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION MPLETED OPERATIONS. Clearly show all pertine QUESTS AUTHORIZATION TO TE OCATION. THE OPERATOR PROFILE TO DRILL THE WELLS ON THE INBU NBU 921-35P1CS, AND THE NBU E ATTACHED TEMPORARILY ABA | MPORARILY ABANDON POSES TO TEMPORARILY NBU 921-35P PAD, THE J 921-35P4CS. PLEASE NDON PROCEDURE. | Approved by the Utah Division of Oil, Gas and Mining |
| NAME (PLEASE PRINT) Danielle Piernot SIGNATURE N/A | PHONE NUMBER 720 929-6156 | TITLE Regulatory Analyst DATE 2/28/2011 | y: |

CIGE 283 755 FSL & 504 FEL SESE SEC.35, T9S, R21E Uintah County, UT

KBE: 5114' API NUMBER: 4304734790 GLE: 5099' **LEASE NUMBER:** ML-22582 TD: 9565' WINS#: 72682 PBTD: 9390' (CIBP) WI: 100.0000% NRI: 83.494445%

CASING: 12 1/4" hole

9 5/8" 32.3# H-40 @ 275' (GL)

Cemented with 110 sx, hole stayed full. TOC @ surface

8.75" hole

7" 23# J-55 @ 5970' (KB) Cemented w/ 1120 sx

6.25" hole

4 ½" 11.6# M-80 @ 9565' (KB)

Cemented w/ 930 sx, TOC @ 210' per CBL

TUBING: 2 3/8" 4.7# J-55 tubing landed at 8597'

PERFORATIONS: Mesaverde 7823' – 9271' (Note: Perfs f/ 9532'-9489' excl by CIBP)

| Tubular/Borehole | Drift Collapse psi | | Burst psi | Capacities | | | |
|-------------------------------|--------------------|------|-----------|------------|----------|---------|----------|
| | inches | | | Gal./ft. | Cuft/ft. | | Bbl./ft. |
| 2.375" 4.7# J-55 tbg. | 1.901 | 8100 | 7700 | 0.1624 | | 0.02173 | 0.00387 |
| 4.5" 11.6# M-80 | 3.875 | 6350 | 7780 | 0.6528 | | 0.0872 | 0.01554 |
| 7" 23# J-55 | 6.241 | 3270 | 4360 | 1.6535 | | 0.221 | 0.0393 |
| 9.625" 32.3# H-40 | 8.845 | 1400 | 2270 | 3.3055 | | 0.4418 | 0.0787 |
| Annular Capacities | | | | | | | |
| 2.375" tbg. X 4 ½" 11.6# csg | | | | 0.4227 | 0.0565 | | 0.01006 |
| 4.5" csg X 6.25 borehole | | | | | 0.1026 | | 0.0183 |
| 4.5" csg X 7" 23# csg | | | | | 0.1106 | | 0.0197 |
| 7" csg X 8.75" borehold | | | | | 0.1503 | | 0.0268 |
| 7" csg X 9.625" 32.3# csg | | | | | 0.1746 | | 0.0311 |
| 9.625" csg X 12 1/4" borehole | | | | 2.3436 | 0.3132 | | 0.0558 |

GEOLOGIC INFORMATION:

Formation Depth to top, ft. Tech. Pub. #92 Base of USDW's

Uinta Surface USDW Elevation ~2200' MSL

Wasatch 4678' USDW Depth ~2914' KBE

Mesaverde 7353'

Recommended future action for disposition of well bore:

Temporarily abandon the wellbore during the drilling and completion operations of the NBU 921-35P pad wells. Return to production as soon as possible once completions are done.

CIGE 283 TEMPORARY ABANDONMENT PROCEDURE - Workorder# 88120901

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 20 sx Class "G" cement needed for procedure

Note: Gyro was run on 4/22/08 to 8550'

- 1. MIRU. KILL WELL AS NEEDED. ND WH. NU AND TEST BOPE.
- 2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
- 3. PLUG #1, ISOLATE MESAVERDE PERFORATIONS (7823'-9271'): RIH W/ 4 ½" CBP. SET @ ~7770'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 8 SX/ 1.6 BBL/ 8.72 CUFT. ON TOP OF PLUG. PUH ABOVE TOC (~7670'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
- 4. PLUG #2, PROTECT WASATCH TOP (4678'): PUH TO ~4780'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 16 SX/ 3.2 BBL/ 17.88 CUFT AND BALANCE PLUG W/ TOC @ ~4575' (205' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
- 5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
- 6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 2/22/11

Sundry Number: 13714 API Well Number: 43047347900000

| | FORM 9 | | | | | | |
|---|--|-----------------------------------|---|--|--|--|--|
| | 5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22582 | | | | | | |
| SUNDF | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | | | | |
| | sals to drill new wells, significantly deepen e gged wells, or to drill horizontal laterals. Us | | 7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES | | | | |
| 1. TYPE OF WELL Gas Well | | | 8. WELL NAME and NUMBER: CIGE 283 | | | | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS | HORE, L.P. | | 9. API NUMBER: 43047347900000 | | | | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th S | PHON treet, Suite 600, Denver, CO, 80217 3779 | E NUMBER: 720 929-6515 Ext | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0755 FSL 0504 FEL | | | COUNTY: UINTAH | | | | |
| QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SESE Section: 35 | P, RANGE, MERIDIAN: Township: 09.0S Range: 21.0E Meridian: S | | STATE: UTAH | | | | |
| 11. CHE | CK APPROPRIATE BOXES TO INDICATE | NATURE OF NOTICE, REPORT, | OR OTHER DATA | | | | |
| TYPE OF SUBMISSION | | TYPE OF ACTION | | | | | |
| | ☐ ACIDIZE | ALTER CASING | CASING REPAIR | | | | |
| NOTICE OF INTENT Approximate date work will start: | ☐ CHANGE TO PREVIOUS PLANS | CHANGE TUBING | ☐ CHANGE WELL NAME | | | | |
| 7,4,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, | CHANGE WELL STATUS | COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE | | | | |
| SUBSEQUENT REPORT Date of Work Completion: | DEEPEN | FRACTURE TREAT | ☐ NEW CONSTRUCTION | | | | |
| 3/21/2011 | OPERATOR CHANGE | PLUG AND ABANDON | ☐ PLUG BACK | | | | |
| ☐ SPUD REPORT | PRODUCTION START OR RESUME | RECLAMATION OF WELL SITE | RECOMPLETE DIFFERENT FORMATION | | | | |
| Date of Spud: | REPERFORATE CURRENT FORMATION | SIDETRACK TO REPAIR WELL | ✓ TEMPORARY ABANDON | | | | |
| | ☐ TUBING REPAIR | VENT OR FLARE | WATER DISPOSAL | | | | |
| DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | SI TA STATUS EXTENSION | APD EXTENSION | | | | |
| | ☐ WILDCAT WELL DETERMINATION | OTHER | OTHER: | | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The Operator has concluded the Temporary Abandonment operations on the subject well location on 03/21/2011. This well was temporarily abandoned in order to drill the NBU 921-35P pad. Please see the attached chronological waccepted by the history. Utah Division of Oil, Gas and Mining FOR RECORD ONLY | | | | | | | |
| NAME (PLEASE PRINT) Andy Lytle | PHONE NUMBER 720 929-6100 | TITLE Regulatory Analyst | | | | | |
| SIGNATURE N/A | | DATE 3/22/2011 | | | | | |

Sundry Number: 13714 API Well Number: 43047347900000

| | US ROCKIES REGION | | | | | | | |
|----------------|-------------------------------------|------------------|------------|-----------|-------------|-----|--------------|--|
| | Operation Summary Report | | | | | | | |
| Well: CIGE 283 | Well: CIGE 283 Spud Date: 9/14/2003 | | | | | | | |
| Project: UTAH- | -UINTAH | | Site: NBU | J 921-3 | 5P PAD | | | Rig Name No: WESTERN WELLSITE/UNK |
| Event: ABAND | ONMENT | | Start Date | e: 3/18/2 | 2011 | | | End Date: |
| Active Datum: | RKB @5,113.99ft (| above Mean | Sea Leve | UWI: C | IGE 283 | | | |
| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
| 3/18/2011 | 7:00 - 7:15 | 0.25 | ' | 48 | | | | HSM JSA. |
| | 7:15 - 15:00 | 7.75 | | 30 | | | | ROAD TO LOCATION PUMP 60 BLS WATER TO KILL WELL RIG UP TUBING INSPECTION TOOL TOH/INSPEC 260 JOINTS RIG DOWN INSPECTION TOOL PU 3.3/4 BIT TIH/TUBING TO 7775' TOH/TUBING LAID DOWN BIT TIH/TUBING SET CIBP AT 7775' SWI SDFN |
| 3/21/2011 | 7:00 - 7:15 | 0.25 | | 48 | | | | HSM JSA. |
| | 7:15 - 17:00 | 9.75 | | 30 | | | | ROAD TO LOCATION FILL WELL W/FRESH WATER PRESURE TEST CASING AT 500 PSI TEST GOOD PUMP 8 SXS CEMENT TOC 7668' TOH/ TUBING TO 7600' REVERSE CIRCULATION TOH/TUBING TO 4775' CIRCULATE WELL FRESH WATER PUMP 16 SXS TOC 4561' TOH/TUBING TO 4500' REVERSE CIRCULATION TOH/LAID DOWN TUBING ND BOPE RIG DOWN MOVE OUT |

Sundry Number: 18916 API Well Number: 43047347900000

| | | | Fanu a |
|--|--|--|---|
| | FORM 9 | | |
| | 5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22582 | | |
| SUNDF | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | |
| | sals to drill new wells, significantly deepen ogged wells, or to drill horizontal laterals. Us | | 7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES |
| 1. TYPE OF WELL Gas Well | | | 8. WELL NAME and NUMBER: CIGE 283 |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONS | HORE, L.P. | | 9. API NUMBER: 43047347900000 |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th S | PHON treet, Suite 600, Denver, CO, 80217 3779 | NE NUMBER: 720 929-6515 Ext | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0755 FSL 0504 FEL | | | COUNTY: UINTAH |
| QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SESE Section: 35 | IP, RANGE, MERIDIAN: Township: 09.0S Range: 21.0E Meridian: S | | STATE: UTAH |
| 11. CHE | CK APPROPRIATE BOXES TO INDICAT | E NATURE OF NOTICE, REPORT, | OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | |
| This previously temp | □ ACIDIZE □ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE ✓ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION OMPLETED OPERATIONS. Clearly show all pertocrarily abandoned well has referenced to production on 09/23/20 | turned to production. This 011. Thank you. A U Oil | |
| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE Regulatory Applyat | |
| Andy Lytle SIGNATURE | 720 929-6100 | Regulatory Analyst DATE | |
| N/A | | 9/27/2011 | |

Sundry Number: 18916 API Well Number: 43047347900000

| US ROCKIES REGION | | | | | | | |
|-------------------------------|--|------------------|---|---------------------|--|--|--|
| Anadarko Daily Summary Report | | | | | | | |
| Well: CIGE 283 | | | | | | | |
| Project:UTAH-UINTAH | 1 | Site:NBU 921-3 | 5P PAD | | Rig Name No:MILES 2/2, GWS 1/1 | | |
| Event: WELL WORK E | EXPENSE | Start Date: 9/19 | /2011 | End Date: 9/22/2011 | Spud Date: 9/14/2003 | | |
| Active Datum: RKB @ | 5,114.00ft (above Mean S | ea Level) | UWI: CIGE 28 | 3 | | | |
| Report No | Report Date | MD (ft) | 24 Hr Summary | | | | |
| 1 | 09/20/2011 | | MOVE FROM NBU 922-36I, MIRU | | | | |
| 2 | 09/21/2011 | | TIH TBG, DRILL CEMENT PLUG 4561', TIH DRILL CEMENT, CIBP, 7668', RU FOAM UNIT | | | | |
| | BREAK CIRC, MILL CIBP, PLUG FELL BEFORE GETTING MILLED OUT, KILL TBG | | | | | | |
| 3 | 09/22/2011 | | INSTALL FLOW VALVE, SWIFN RU FOAM UNIT, TIH TO PBTD, CLEAN OUT TO 9343', CIRC CLEAN, POOH TO 7579.63' | | | | |
| 3 | 09/22/2011 | | | | UWH, POBS, RTP RDMO TO NBU 921-35L4CS | | |
| 4 | 09/23/2011 | | WELL TURNE | D TO SALES ON 9/2 | 3/2011 - 561 MCF, 0 BW, 0 BO, FTP 244#, CP 650#, | | |

LP 109#